

PUBLIC WORKS, IRELAND.

FORTY-FIFTH ANNUAL REPORT

FROM THE

COMMISSIONERS OF PUBLIC WORKS

IN

IRELAND:

WITH

APPENDICES,

FOR THE YEAR 1876-77.

Presented to both Houses of Parliament by Command of Her Majesty.



DUBLIN:

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PUBLIC WORKS, IRELAND.

FORTY-FIFTH ANNUAL REPORT

OF THE

COMMISSIONERS OF PUBLIC WORKS IN IRELAND,

FOR THE YEAR 1876-77.

TO THE LORDS COMMISSIONERS OF HER MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

WE have the honour to submit our Forty-fifth Annual Report on the several services intrusted to our management, viz. :—

Loans for Public Works, Public Health, &c. ; Sanctions, Advances, and Repayments ; Irish Reproductive Loan Fund Act.

Public Buildings, viz. :—

Dublin Buildings, including Viceregal Residences and Establishments in Dublin Castle and the Phoenix Park, the Courts of Law, Public Offices, Government Prisons, Constabulary Depot, General Post Office, Metropolitan Police Stations of the Dublin District, the Royal Hospital, Kilmainham, the Royal Hibernian Military School, the Royal Dublin Society and Glasnevin Gardens, the Royal Irish Academy, the National Gallery of Ireland, the Royal College of Science.

Post and Telegraph Offices throughout Ireland.

Customs and Inland Revenue Buildings throughout Ireland.

Constabulary Buildings throughout Ireland.

Coast-Guard Stations throughout Ireland.

Phoenix Park.

Queen's Colleges, at Cork, Belfast, and Galway.

National Education Buildings.

National School Teachers' Residences.

Labouring Classes' Dwellings and Lodging Houses.

Glebe Loans.

National Monuments and Ecclesiastical Ruins.

Limited Owners' Residences.

Supply of Fuel and Light to all Public Offices in Ireland.

Landed Property Improvement, including—

Drainage of Lands, &c.

Erection of Farm Houses and Farm Buildings.

Erection of Scotch Mills.

Erection of Labourers' Dwellings.

Loans for Planting Trees for Shelter.

Landlord and Tenant Act, 1870 (33 & 34 Vic., c. 46).

Arterial Drainage, with Improvement of Navigation and Water-power, 5 & 6 Vic., c. 89, &c.

Drainage and Improvement of Lands Act, 1863, 26 & 27 Vic., c. 88, &c.

Increased Rents in respect of Drainage Charges.

Drainage Maintenance Act, 29 & 30 Vic., c. 49.

Maintenance of Navigations in connexion with Drainage.

Harbours.

Fishery Piers and Harbours.

Inland Navigations.

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County Surveyors' Assistants.

Arbitrations—Railway and other.

Tramways.

Bridges.

Blackrock Road.

LOANS FOR

The following is an Abstract of the several Loan Funds which have from time to time been authorised, and Interest, and the Amounts remitted to the 31st March,

AMOUNTS AUTHORIZED BY PARLIAMENT.				For what purposes loaned.	Advances During the year to 31st March, 1877.
	£	s.	d.		£ s. d.
(1.) Public Works Loan Fund.					
Act 1 & 2 Wm. IV., c. 35.	744,000	0	0	Public Works.	164,277 3 4
Act 6 & 7 Wm. IV., c. 108.	100,000	0	0		
Act 1 & 2 Vic., c. 88.	40,000	0	0		
Act 5 & 10 Vic., c. 108.	145,000	0	0		
Act 10 & 11 Vic., c. 106.	350,000	0	0		
Act 18 Vic., c. 23.	200,000	0	0	{ Relief Works, { 2 Vic., c. 1, }	—
Act 11 & 12 Vic., c. 81.	138,648 13 7				
Act 15 & 16 Vic., c. 31.	800,000	0	0	Arterial Drainage.	43,083 18 6
Accrued under provisions of Act 6 & 7 Vic., c. 44, continued by various Acts to 29 & 30 Vic., c. 73, charging the Consolidated Fund with £20,000 per annum.	2,010,800	0	0		
(2.) Employment of Labouring Poor.					
Act 9 & 10 Vic., c. 107.	—			Relief Works.	—
(3.) SHANNON NAVIGATION.					
Act 2 & 3 Vic., c. 61.	—			{ Shannon Navigation, { }.	—
(4.) LAND IMPROVEMENTS.					
Act 10 Vic., c. 32.	1,500,000	0	0	{ Drainage, Farm Buildings, Im- provements, &c.	121,105 0 0
Act 12 Vic., c. 33.	300,000	0	0		
Act 15 & 16 Vic., c. 31.	200,000	0	0		
Act 28 & 29 Vic., c. 40.	1,600,000	0	0		
(5.) LAND ACT.					
Act 22 & 24 Vic., c. 45.	—			{ For Purchase by Tenants of their Farms. }	76,206 0 0
Total.	—				406,672 3 10

Loans.

LOANS.

The foregoing abstract gives the results of all Loan transactions, under their several classes, which have been intrusted to the Board's management from the commencement of its operations in October, 1831, to 31st March, 1877.

More detailed statements of some of these will be found, for Public Works Loans, including Arterial Drainage, at pp. 42 to 51; for Land Improvement Loans at pp. 15 and 16, and 63 to 67; and for the Loans under the Land Act at pp. 16 and 17.

The operations under the other two classes have been practically brought to a close.

APPLICATIONS received from 1st APRIL, 1876, to 31st MARCH, 1877, inclusive:—

Public Health (Ireland) Act, 1874, 37 & 38 Vic., c. 93, s. 43.

Board of Guardians of the poor law union of <i>Castletroy</i> , for a supply of water for the town of <i>Castletroy</i> , county <i>Tyrone</i> .	£800	sanctioned.
Board of Guardians of the poor law union of <i>Kilrush</i> , for a supply of water for the town of <i>Crossnacreeve</i> , county <i>Cork</i> .	£850	sanctioned.
Board of Guardians of the poor law union of <i>Ballina</i> , to complete the sewerage works for the town of <i>Ballina</i> , county <i>Mayo</i> .	£1,300	sanctioned.
Board of Guardians of the poor law union of <i>Stralings</i> , for improvement of water supply of town of <i>Repsack</i> , county <i>Dorset</i> .	£500	sanctioned.
Board of Guardians of the <i>North Dublin</i> poor law union, for a supply of water to the <i>Dromedary District</i> , county <i>Dublin</i> .	£300	sanctioned.
Board of Guardians of the poor law union of <i>Glin</i> , for water supply at <i>Glin</i> , county <i>Limerick</i> .	£300	sanctioned.
Board of Guardians of the poor law union of <i>Belfast</i> , for waterworks for town of <i>Ballywood</i> , county <i>Down</i> .	£10,500.	
Board of Guardians of the poor law union of <i>Dungannon</i> , for water supply for the town of <i>Dungannon</i> , county <i>Tyrone</i> .	£15,000	sanctioned.
Board of Guardians of the poor law union of <i>Dungannon</i> , for sewerage works for the town of <i>Dungannon</i> , county <i>Tyrone</i> .	£3,145	sanctioned.

PUBLIC WORKS.

showing the amounts Issued and Repaid within the year, the total Advances and Repayments of Principal 1877; and the Balances of Principal outstanding at that date.

Repayments, including Interest.	Total Advances.	Total Repayments.		Resolutions.	Balance of Principal Outstanding.
During the year to 31st March, 1877.		Principal.	Interest.		
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
31,385 9 11	1,501,352 8 11	1,078,685 7 3	453,439 16 11	86,969 2 3	634,297 19 5
—	526,349 10 11	69,671 18 1	18,666 3 2	156,678 1 10	—
50,803 12 11	2,360,529 18 10	779,697 17 8	797,714 13 3	1,195,795 12 3	384,136 8 11
—	4,797,648 12 1	502,700 13 10	87,279 14 2	4,294,947 18 3	—
—	294,000 0 0	381,465 7 2	48,460 0 0	—	12,636 12 10
73,551 7 6	3,723,442 4 4	1,797,659 4 6	795,011 13 1	—	936,772 10 10
16,622 14 7	357,938 12 0	17,197 12 3	33,272 10 8	—	340,761 0 9
171,263 5 11	13,562,271 17 1	4,527,276 0 9	3,230,844 12 0	5,737,399 14 7	3,297,606 1 0

Board of Guardians of the poor law union of <i>Finglas</i> , for constructing an outfall sluice to the sea at <i>Willesstown</i> , county Cork,	£400 sanctioned.	<i>Louis.</i>
Board of Guardians of the poor law union of <i>Mountmellick</i> , for certain sewerage works in the town of <i>Mountmellick</i> , Queen's county,	£500 sanctioned.	
Board of Guardians of the poor law union of <i>Mountmellick</i> , for improving and extending the sewerage works in the town of <i>Mountmellick</i> , Queen's county,	£399. sanctioned.	
Board of Guardians of the poor law union of <i>Omagh</i> , for waterworks for town of <i>Omagh</i> , county Tyrone,	£9,618. sanctioned.	
Board of Guardians of the poor law union of <i>Cookstown</i> , for construction of water-works in the town of <i>Posey</i> , county Tyrone,	£600 sanctioned.	
Board of Guardians of the poor law union of <i>Armagh</i> , for a supply of water for the town of <i>Kesh</i> , county Armagh,	£2,600. sanctioned.	
Board of Guardians of the poor law union of <i>Dunmurry</i> , to defray the cost of sinking a pump in the village of <i>Ballinacree</i> , county Cork,	£100. sanctioned.	
Town Commissioners, as Urban Sanitary Authority.— <i>Athlone</i> .—Sewerage works and other sanitary improvements in the town of <i>Athlone</i> , counties <i>Wexford</i> and <i>Down</i> ,	£1,318.	
Town Commissioners, as Urban Sanitary Authority.— <i>Dalkey</i> .—Sewerage works, £4,000; water mains, £841 11s. 5d.; to pay loan on waterworks, £2,500, for the township of <i>Dalkey</i> , in the county of <i>Dublin</i> ,	£4,841 sanctioned.	
Town Commissioners, as Urban Sanitary Authority.— <i>Galway</i> .—For enlarging and re-modelling the public slaughter-house of the town of <i>Galway</i> , county <i>Galway</i> ,	£400 sanctioned.	
Town Commissioners, as Urban Sanitary Authority.— <i>Lurgan</i> .—For the construction of additional sewers in certain districts of the town of <i>Lurgan</i> , in the county of <i>Armagh</i> ,	£735 sanctioned.	
Corporation of <i>Limerick</i> .—For additional sewerage works for the city of <i>Limerick</i> , applied for in the year 1875-76,	£2,658 sanctioned.	

Loans.

Burial Grounds (Ireland) Act, 1856, 19 & 20 Vic., c. 56.

Board of Guardians, Sarsfield Union, to build a Boundary Wall round the Workhouse,	£400	sanctioned.
Board of Guardians Clifton Union, to enclose the several Grave-yards of the Union, put them in proper order, and purchase additional land where necessary,	£1,200	sanctioned.
Town Commissioners, Borough of Coleraine, for a new Cemetery for the Borough of Coleraine,	£2,000	sanctioned.
Town Commissioners, Ballymena,	£800	Loans could not be made.

Acts 1 & 2 Wm. IV., c. 33, and 32 & 33 Vic., c. 74.

Grand Jury of County Cavan, for new Road—Mellagh to Kingscourt,	£1,036	sanctioned.
Grand Jury of County Carlow, Bridge and Approaches at Willestown Ford on the Deavin River, County Carlow,	£800	sanctioned.

Act, 1 & 2 Wm. IV., c. 33.

Letterkenny Railway Company—Sanctioned, 29th June, 1876 (Application in 1872),	£50,000	
Hen Valley Railway—Sanctioned 24th May, 1876, (dited, in 1875),	£40,000	
Ballymena and Larne Railway Company,	£45,000	
Waterford, Dungarvan, and Lismore Railway Company,	£21,333	
Dublin Port and Docks Board—Dublin Bridges.—To alter or rebuild Carlisle bridge, and to build a new opening bridge lower down the Liffey, under Local Act 39 & 40 Vic., c. 85,	£150,000	
Londonderry Bridge Commissioners.—To aid in freeing the Londonderry bridge from toll, except for railway traffic—one moiety of cost—the Hon. the Irish Society having offered to contribute the other moiety,	£40,000	
Coleraine Town Commissioners.—For a new channel from opposite the River Barr, through the Ford out to the bar, and other works for the improvement of the navigation of the River Barr,	£50,000	
New Ross Town Commissioners.—For the erection of a Market-place and Weigh-bridge in the town of New Ross,	£2,000	

Further applications not within Board's powers of lending or not recommended:—

Carrickfergus Harbour Commissioners.—For construction and extension of Piers, to form increased harbour accommodation,	£115,000	
Belfast Water Commissioners,	£40,000	
Clontarf Town Commissioners.—For the general purposes of the Township, and for repayment of a Loan,	£3,500	
Corporation of Dublin.—For preliminary expenses in preparing an Improvement Scheme under Artisans and Labourers' Dwellings Improvement Act, 1875,	£1,000	
Sligo Harbour Commissioners.—For Harbour improvements; construction of Pier and Embankment,	£20,000	limited for the grant to £10,000.
Sligo Union Board of Guardians.—To purchase the Workhouse premises and Farm, and Dispensary,	£3,400	£180.

SANCTIONS.

During the past year Loans have been sanctioned by your Lordships out of the respective Loan Funds for the following objects, viz.:—

(1.) Public Works Loan Fund, 1 & 2 Wm. IV., c. 31, &c.—	£	
Counties,	3,211	
Local Boards for Improvements in Towns and Districts,	5,740	
Railways,	20,000	
Artisan's Houses,	5,500	
Labourers' Dwellings in Towns,	11,100	
Glacis Loans,	33,282	
Public Health Act,	41,139	
River Drainage Maintenance,	1,700	
River Drainage, 26 & 27 Vic., c. 85,	55,084	
		250,836
(4.) Land Improvement Act, 10 Vic., c. 32—		
For Thorough Drainage, Farm Buildings, Labourers' Dwellings, Fencing, Planting, &c.,	129,310	
National School Teachers' Residences,	1,799	
		131,109
(5.) Land Act, 33 & 34 Vic., c. 48—		
For the Purchase by Tenants of their Farms,	68,106	
Total,		245,043

The total Sanctions being £450,042 as compared with £449,826 for the previous year show the continuous steady progress of our Loan operations, each year giving an excess of £120,000 over the transactions of the years 1874-75.

The above abstract points out the variety of objects to which the various funds entrusted to our management have been allocated during the past year, and as some of the classes are distributed in comparatively small amounts, the total also represents a considerable addition in number to the outstanding open accounts. The number of new Loans made was 430, as against 145 closed in the same period.

In January last we felt it our duty to call your Lordships attention to the state of the Funds available for Loan purposes, and to point out that at the present rate of our operations, two of these Funds, viz., the Public Works Loan Fund and the Land Improvement Loan Fund would become exhausted, and our means of making Loans restricted, if powers were not taken during the present Session of Parliament to meet the estimated deficiency, and to provide for the continuous demand for advances in future years. By the Bill now before Parliament to meet this want, your Lordships, among other important changes connected with these services, propose to place the future advances as respects these two Funds, and other services the issues for which are charged by their respective Acts on the growing produce of the Consolidated Fund, on the same footing as the Public Works Loan Fund, England, viz., to provide, by an annual Act of Parliament, for the total estimated amount which will probably come in course of payment during the year. This will embrace all advances from the Consolidated Fund for Loan purposes, excepting those for the Irish Land Act, for which a special Fund of £1,000,000 was provided. This course determines the extent of the aggregate advances within the year, and we have no reason to think that a change which necessitates an annual investigation into all the circumstances and requirements of these services will be otherwise than advantageous.

The Sanctions of the year include a Loan of £5,165 made for the repairs of the Black-rock road; two Loans for Burial-grounds, which we are authorized to make in pursuance of the Act 19 & 20 Vic., c. 98, which extends the repayment over a term of years not exceeding twenty, with interest at 5 per cent.; also a Loan of £40,000 to the Glen Valley Railway Company, and £50,000 to the Letterkenny Railway, both being repayable within twenty-five years, with interest at 5 per cent.; and a Loan of £5,000 to aid in the erection of Ardglass Harbour, which, under the conditions of the special Act of last Session, becomes a charge on the neighbouring proprietor and district.

The amount applied for and allocated during the past year for the erection of Labourers' Dwellings in towns was £11,100, being much less than the previous year, when the amount stood at £24,242. This falling-off, we believe, is rather accidental than otherwise, as the desire on the part of the public to avail themselves of the advantages conferred by the Act, appears to be gradually increasing, as it becomes more generally known and understood. With the five Loans sanctioned it is proposed to erect 182 separate dwellings, at an average cost of £84 for each.

The Glebe Loan Acts, unless renewed, will expire on the 31st August, 1878. During the past year we have made seventy Loans, amounting to £38,292. These figures are less both in number and amount than in the former year, when eighty Loans, for £44,031, were granted. Since the passing of the Act, 372 advances for Glebe purposes, amounting to £171,870, have been authorized.

The Loans for Sanitary purposes, which during the year amounted to £41,139, are also considerably less than the previous year's transactions. This also, judging from the number and amounts of the applications which have been made by Sanitary bodies and are under our consideration or that of the Local Government Board, must not be deemed as showing a less desire on the part of these bodies to avail themselves of this Fund. In the year ten districts have obtained Loans to the extent of £34,539 for sewerage works; six for water works, amounting to £16,200; and one of £400 for a slaughter-house.

The works on three Arterial Drainage districts have been commenced in the past year, under the provisions of the Act 26 & 27 Vic., c. 88, which are in operation under their respective local bodies, viz.:—The Rathangan district, in the county of Kildare, to which a Loan of £45,869 has been granted; £6,000 to the Tory Hill district, in the county of Limerick, and £3,825 to the River Bride and Kilcrea district, in the county of Cork, making a total appropriation under this section of Arterial Drainage works of £348,760, spread over thirty-two districts.

The applications for Land Improvement Loans, a service which has been in operation since the year 1847, continue to be made in increased numbers; the total sum approved during this year being £129,310, against £125,600 for the last; the total advances now amounting to £2,723,442. The Funds of this service have been extended

by the provisions of the Act 38 & 39 Vic., c. 82, for the purpose of making advances in aid of National School Teachers' Residences connected with non-vested schools, to be applied either for the erection of new buildings, or for the enlarging or improving existing buildings, or for the purchase of dwelling-houses.

No Loans for this purpose are to exceed £250, the repayment of which is to be secured by a charge on the building itself, as well as on the land on which it is erected. Eight of these Loans have been authorized during the year, absorbing £1,790.

The sum of £68,106 has been allocated, under the provisions of the Land Act, to aid in the purchase by tenants of their farms. Since the passing of the Act in 1870, 575 tenants have purchased their farms, and have thus become proprietors to the extent of 35,975 acres, at a total cost of £599,623, including £357,958 advanced by us. The annual rent paid in respect of these holdings was £24,460, against which the annual rent-charge payable to the Government for thirty-five years will be £17,998.

ADVANCES AND REPAYMENTS.

The total Loan advances during the year amount to £406,572, against £312,962 of the former year, and the repayments including interest to £171,263, against £156,612.

The following statement shows under general heads to what purposes the advances have been applied, and sources from which the repayments have come, viz. :—

	Advances. £	Repayments. £
1. Public Works Loan Fund—		
Counties,	8,978	5,551
Local Boards,	3,500	2,035
Roads and Bridges,	—	590
Island Navigation,	—	1,458
Railways,	53,333	5,806
Harbours, Docks, &c.,	—	4,174
Fishery Piers,	2,557	928
Labourers' Dwellings,	18,790	630
Glebe Loans,	33,371	5,755
Public Health,	44,443	6,823
River Drainage, 5 & 6 Vic., c. 89,	—	38,000
Do. 26 & 27 Vic., c. 58,	42,400	10,426
Drainage Maintenance, 29 & 30 Vic., c. 49,	1,584	2,818
	208,961	82,189
4. Land Improvement,	121,405	73,291
5. Land Act,	76,206	15,823
	£406,572	£171,263

The repayments continue to be made, with a few exceptions, with satisfactory punctuality. The year again closes with no outstanding arrears on the Public Works, Labourers' Dwellings in Towns, Glebe Loans, and Public Health classes of Loans, comprising 423 separate half-yearly charges. The Land Act has one proprietor in arrear out of 575 borrowers, which is highly creditable to the class to which they belong, and is evidence of its continued prosperity. The Arterial Drainage, having 2,072 distinct charges, shows at the close of the year 107 in arrear; but as the larger portion of these incur a poundage charge of 1s. in the pound, no loss arises from the deferred payments. The Land Improvement Service, having upwards of 2,900 open accounts, shows 70 proprietors, representing 144 Loans, in arrear.

The amounts received in the year on nearly 6,000 open accounts, of which 5,950 are repayable by half-yearly instalments by way of an annuity, have, under your Lordships' instructions, been divided into principal and interest, with the object of carrying the sum received as interest in aid of the year's income; the whole amount received and paid to Her Majesty's Exchequer having been apportioned as follows :—

Principal,	£
Interest,	108,689
	67,574
	£171,263

The latter sum exceeds that paid in on the previous year by £5,217, but the amount must, under our present extended operations, undergo considerable increase in future years.

By the same investigation we have been enabled to ascertain the present value of all the 6,000 debts standing in our books, which have increased from £1,994,722 on the

1st of April, 1876, to £2,297,605 on the 31st March, 1877, showing a net increase of debt on the year of £302,883.

The charges have terminated, since our last report, on the Cross Lough Drainage district—a work executed under the Act 5 & 6 Vic. c. 89—also on the Drainage Maintenance of Lough Dalla, which determines half-yearly charges of £29 1s. 10d. In the same time awards have been made, bringing the advances made to Local Boards in pursuance of 26 & 27 Vic. c. 88, in course of repayment, viz. :—

District.	Cost of Work.			Half-yearly Instalment.			No. of Proprietors Contributing.
	£	s.	d.	£	s.	d.	
Upper Gully River,	2,447	15	2	59	8	11	6
Camogie,	11,745	19	6	288	13	0	16
	£14,193	14	8	348	1	11	22

And in respect of Drainage Maintenance Works, 29 & 30 Vic. c. 49, the following charging Orders have been made :—

District.	Cost of Work.			Half-yearly Instalment.			No. of Proprietors Contributing.
	£	s.	d.	£	s.	d.	
Owenabrocka,	491	14	10	37	13	4	6
Glenariff,	489	18	2	41	18	1	5
Borris-in-Osney,	3,967	15	11	276	8	9	37
	£4,949	8	11	£356	0	2	48

Loans amounting to £1,396,407 have now been finally closed under the Land Improvement Loan Service, which has of course contributed to limit the increase on our total repayments for the past few years.

IRISH REPRODUCTIVE LOAN FUND ACT.

In our Report for last year we fully explained the system we had found it desirable to adopt to bring the provisions of this Act, 37 & 38 Vict. c. 86, into operation, more particularly as it affected the main purpose of the Act, viz., the making small advances to fishermen in the maritime counties, and the course adopted for securing their faithful discharge by promissory notes payable at intervals of six months, generally extending over three, four, or even five years. After another year's experience we are enabled to state that these arrangements have proved in all respects most satisfactory, resulting in our still being able to carry out these very numerous transactions—many of them in the most remote and backward parts of the country—without entailing on the funds entrusted to us any expense beyond a few very small payments to local solicitors for proceedings for the recovery of over-due promissory notes, or for the entire Loans advanced, in the event of non-application to the purposes for which they were made.

Under the rules sanctioned by His Excellency the Lord Lieutenant, we are authorized to make Loans for fishery and other purposes out of the respective funds of the ten counties, of from £5 to £500, at 2½ per cent. interest, to be repaid within any term of years not exceeding ten, a bond being taken in each case for the due and proper application of the advance.

We append the following abstract of our proceedings during the past year under the respective counties :—

COUNTY.	Money Value of Funds at credit of County in January, 1876.	Available for Fishery Loans in 1876.	Advances in respect of 1876 Loans.	Number.
	£	£	£	
Clare,	1,656	414	371	28
Cork,	2,824	931	920	34
Galway,	4,756	1,189	1,144	77
Kerry,	9,172	2,293	1,718	28
Leitrim,	1,252	313	30	1
Limerick,	2,358	588	—	—
Mayo,	2,828	707	707	60
Sligo,	1,708	427	124	8
Roscommon,	4,856	Non-Maritime.	—	—
Tipperary,	3,313	—	—	—
	34,717	6,862	5,014	236

Up to the 31st March, 1877, we have made 607 separate advances, amounting to £11,267, which have been secured by upwards of 4,000 promissory notes, together amounting to £11,897 12s. 2d., including principal and interest at $2\frac{1}{2}$ per cent. On account of this last-mentioned sum there has been repaid, up to the same period, £3,422.

Of the promissory notes which became due before the 31st March, there are now (1st May) only eighteen remaining unpaid, which is satisfactory evidence of the attention and punctuality of the fishermen-borrowers under this Act.

We have during the year sold stock to the amount of £1,700, the residue of the advances having been discharged by the repayments and dividends received in the year. In the year now commenced we hope to meet all the advances from these two sources without having to resort to any further sale of stock as long as the loans are confined to fishery purposes.

We have again to report that no applications for any advances have been made out of the funds of the non-maritime counties of Tipperary and Roscommon, and in Limerick no application has been received either for fishery or any other purpose. It will also be observed that during the past season the funds of the counties Kerry, Leitrim, and Sligo were not taken up by the fishermen of those counties to the extent of the amounts which were available.

PUBLIC BUILDINGS.

The necessary works of repairs and maintenance to the several metropolitan and provincial public buildings and official residences in charge of the Board have been duly attended to, and efficiently maintained.

Post and Telegraph Offices.

The works at the new Post Office at Cork were commenced some months past, and the building is progressing satisfactorily.

The new post offices at Waterford and Londonderry, which form part of the new public offices in those cities, are occupied and open for the transaction of public business.

Customs Buildings.

New offices for Customs and Inland Revenue services at Waterford and Londonderry have been provided in the recently erected public buildings at these places.

Constabulary Barracks.

New barracks have been completed at Monaghan, county Monaghan, and Howth, county Dublin; the former to accommodate 1 Head Constable and 25 men; the latter 1 Head Constable, 3 Constables, and 18 men.

Metropolitan Police Buildings.

Additional cells have been provided at Chancery-lane Station, in the A Division; a ball-alley has been constructed at Manor-street Barrack, in the D Division; and improvements made in the ball-alley at Rathmines, in the F Division.

Coast-Guard Stations.

The following new Stations have been completed during the past year:—

Bray, county Wicklow, 1 Chief Officer and 5 men.	.	.	.
Cahirmore, county Cork, 1 Chief Boatman and 4 men.	.	.	.
Cushendall, county Antrim, 4 men.	.	.	.
Costello Bay, county Galway, 1 Chief Boatman and 5 men.	.	.	.
Cranfield Point, county Down, 1 Chief Officer and 6 men.	.	.	.
Gortrummagh, county Galway, 1 Chief Boatman and 6 men.	.	.	.
Killybegs, county Donegal, 1 Chief Boatman and 5 men.	.	.	.
Portaferry, county Down, 1 Chief Boatman and 5 men.	.	.	.
Port Ballintrae, county Antrim, 1 Chief Boatman and 4 men.	.	.	.
Port Kinnago, county Donegal, 1 Chief Boatman and 4 men.	.	.	.

The works are in progress at the following new Stations :—

Annagassan, county Louth, 2 men.

Carradoc, county Wexford, 1 Chief Boatman and 6 men, watch-house, boat-house, store, &c.

Doochoma, county Mayo, 1 Chief Boatman and 4 men, watch-house, boat-house, store, &c.

Knockalla, county Donegal, 1 Chief Boatman and 4 men, watch-house, boat-house, store, &c.

Mizen Head, county Wexford, 2 men.

Newcastle, county Down, 1 Chief Officer and 5 men.

Rossmoney (Inishllyre) county Mayo, 1 Chief Officer, 1 Chief Boatman, and 10 men, boat-house, watch-house, store, slipway, &c.

Tara, county Down, 4 men.

Torr Head, county Antrim, 4 men.

Rosslare, county Wexford, drill-shed, battery, magazine, boat-house, and slipway.

Extensive additions and alterations have been carried out at Bonmahon, Buncrana, Malin Head, and Rosslare.

Phoenix Park.

The lodges of the Bailiff, Deer Keeper, Gate Keepers, and Park Constables have been kept in proper order; and the works necessary for the conservancy of the Park and the cultivation of the People's Garden have been carefully carried out.

Queen's Colleges.

The necessary works of repair and maintenance at the Queen's Colleges, Belfast, Cork, and Galway, have been attended to.

National Education Buildings.

Twenty-three new ordinary literary National School-houses have been built in the past year, at a total cost of £8,198 14s., towards which the Board paid as Grants two-thirds, or the sum of £5,465 16s., the remaining one-third of the expense being contributed by local persons interested in the schools.

Various additions to and enlargements of school-houses, together with such works of improvement as providing timber-flooring, erecting porches, building enclosing walls and gates, wainscoting, tablet rails, eave gutters, and other works, have been effected at 27 ordinary literary National Schools, at a total cost of £1,734 3s. 1d. Towards this sum the Board paid two-thirds, viz., £1,156 2s. 1d., and the remaining one-third was borne by local persons interested.

Besides this outlay, the Board have expended in new works and alterations, repairing and maintaining the Metropolitan (or Central) Model School Buildings, the District Model, Minor Model, and Model Agricultural Schools, the sum of £5,405, and a further sum of £1,786 10s. 3d. for furniture for those buildings; and on the ordinary literary National Schools in charge of the Board, a sum of £3,180 18s. 9d. has been also expended, in works of maintenance and repair.

Seven Grants in aid of building residences for Teachers of Vested National School-houses, have been made during the year, amounting to £677 12s.

NATIONAL SCHOOL TEACHERS' RESIDENCES (IRELAND) ACT.

38 & 39 Vic., c. 82.

Thirty-one applications under this Act have been received during the year for Loans, amounting to £6,795, eight of which have been sanctioned within the year, amounting to £1,790. The remainder await the compliance by the applicants with certain conditions required by the Act and the Treasury regulations.

LABOURING CLASSES' LODGING-HOUSES AND DWELLINGS ACT (IRELAND);

29 & 30 Vic., c. 44.

Seventeen applications have been received under this Act during the year ended 31st March, 1877, and six loans have been decided on during that period, amounting to £11,100, for the erection, &c., of 182 dwellings.

GLEBE LOANS.

Glebe Loan (Ireland) Acts, 1870-71-75 ;

33 & 34 Vic., c. 112; 34 & 35 Vic., c. 100, and 38 & 39 Vic., c. 30.

Eighty-four applications under these Acts have been received during the year ended 31st March, 1877, viz. :—

Purpose for which Loan is required.	No.	Amount applied for.		Amount sanctioned.		No. Sanctioned.
		£	s. d.	£	s. d.	
For the purchase of glebe land or houses, . . .	16	8,644	6 8	7,208	0 0	13
" building or improving of glebe houses, or erection of out-offices, . . .	63	32,670	0 10	24,906	0 0	49
" paying-off of glebe debts, . . .	5	1,080	0 0	1,180	0 0	3
	84	40,294	7 6	33,292	0 0	70

Of these 84 applications 50 have been sanctioned, and 34 are under consideration or awaiting compliance with certain requirements. Of the 70 total sanctions, amounting to £33,292, 20 were for applications received during previous years, amounting to £8,551.

NATIONAL MONUMENTS AND ECCLESIASTICAL RUINS.

Irish Church Act, 1869 ; 32 & 33 Vict., c. 42.

The works necessary for the preservation of the National Monuments vested in the Board by the Church Temporalities Commissioners for preservation and maintenance, have been carried out in the order of their importance and urgency.

The works have now been completed at Ardmore Cathedral and Round Tower, Ardfert Cathedral and two Churches, Monasterboice three Churches, Crosses, and Round Tower, and the Rock of Cashel, with its several ancient monuments; all these structures have been placed in charge of caretakers to protect them from injury, and provision has been made for their effectual maintenance.

The works are in progress at Devenish Church and Round Tower, and those at the Seven Churches, Round Tower, Stone Crosses, and other structures at Glendalough are drawing towards completion.

The details of the progress made and works executed during the year will be found in the report of the Superintendent (Mr. Deane). The Board think it desirable here to repeat that the instructions which they have given to their Architect and Mr. Deane are that the operations are to be strictly confined to what is necessary for the preservation of the several monuments—securing loose stones, preventing infiltration of water by cement covering to walls, &c., where practicable, and clearing away rubbish, where, by doing so, portions of the buildings now hidden may, with advantage, be brought to view—but carefully to avoid any attempt at restoration, or doing anything which might mar the ancient and picturesque character of the ruins.—*See Appendix, page 68.*

LIMITED OWNERS' RESIDENCES.

Acts 27 & 28 Vic., c. 113; 33 & 34 Vic., c. 96; 34 & 35 Vic., c. 84.

Applications under these Acts have been made during the past year by D. B. M. Baird, esq., Newtown Stewart, for the erection of a mansion; the Earl of Kenmare, for the erection of a mansion; the Earl of Wicklow, for improvements; Lord Kilmaine, for improvements; and C. A. Nicholson, esq., for additions and improvements. The necessary inquiries and preliminaries have not yet been completed. In the case of the application of Henry Bruen, esq., M.P., the Provisional Order has been made absolute to the extent of the value of the work executed.

FUEL AND LIGHT, &c.

This service for the twelve months ended 31st March, 1877, embraced the supply to about 250 establishments, of coals, coke, turf, gas, chandlery, &c., to the aggregate amount, including the Phoenix Park, and Kingstown and Howth Harbours, of £23,656 os. 3d.

LAND IMPROVEMENT.

Land Improvement

In this division of the Board's duties we have to report an increase in the sums advanced for the execution of works; the total issued for the year now reported on being £121,405—a larger amount than that issued in any year since 1851.

The applications and the amounts issued in each year since the commencement to the close of the financial year 1876-77, are stated as follows:—

	No. of Applications.	Amounts Issued.		No. of Applications.	Amounts Issued.
1847, June to December (inclusive),	1,334	472,790	1862,	124	261,376
1848,	671	250,160	1863,	138	28,880
1849,	645	279,836	1864,	132	28,630
1850,	436	200,324	1865,	90	45,215
1851,	289	145,653	1866,	98	26,295
1852,	164	88,242	1867,	145	30,180
1853,	164	43,454	1868-9,	179	65,973
1854,	135	49,293	1869-70,	165	81,775
1855,	98	35,180	1870-71,	159	77,980
1856,	106	32,510	1871-72,	180	82,565
1857,	114	31,674	1872-73,	223	76,280
1858,	112	30,634	1873-74,	224	95,572
1859,	111	29,334	1874-75,	245	102,605
1860,	135	26,903	1875-76,	265	95,750
1861,	184	36,616	1876-77,	218	121,405

On the 31st March, 1877, there remained unappropriated, of the fund of £3,000,000 provided by the Acts quoted in the margin, the sum of £197,225.

The total amount issued under the several Land Improvement Acts, for all descriptions of work, to the 31st March, 1877, was £3,723,442.

During the year now reported on, works have been commenced under 200 new Loans, which are divided under the following heads:—

	No. of Loans.	Amount Sanctioned.
Drainage and other Land Works,	60	£44,825
Farm Buildings,	104	55,140
Labourers' Dwellings,	35	25,875
Scotch Mills,	—	—

The numbers of applications and the sums issued in the several counties of Ireland from the commencement to the 31st March, 1877, are given in the following table:—

SCHEDULE showing the NUMBER OF LOANS SANCTIONED AND AMOUNTS ISSUED.

Name of County. —	No. of Loans.	Amount Issued.	Total No. of Loans.	Total Amount Issued.
NORTHERN DIVISION.		£ s. d.	807	£ 474,844 0 0
Antrim,	127	103,186 0 0		
Londonderry,	31	46,708 0 0		
Donegal,	145	110,331 0 0		
Fermanagh,	28	28,395 0 0		
Tyrone,	260	192,750 0 0		
Armagh,	46	14,628 0 0		
Down,	74	38,864 0 0		
MIDLAND AND EASTERN.		£ s. d.		
Cavan,	30	27,211 0 0		
Monaghan,	71	31,549 0 0		
Longford,	122	64,882 0 0		
Louth,	53	24,015 0 0		
Meath,	260	126,510 0 0		
Westmeath,	133	66,903 0 0		
Dublin,	125	47,467 0 0		
Kildare,	171	82,248 0 0		
King's,	108	39,630 0 0		
Queen's,	229	110,080 0 0		
Wicklow,	164	78,591 0 0	1,854	896,842 0 0
Carlow,	134	79,029 0 0		
Kilkenny,	110	61,051 0 0		
Wexford,	197	91,492 0 0		

SCHEDULE showing the NUMBER of LOANS SANCTIONED and AMOUNTS ISSUED—continued.

Name of County.	No. of Loans.	Amount Issued.	Total No. of Loans.	Total Amount Issued.
WESTERN.		£ s. d.		£ s. d.
Sligo,	132	67,362 0 0	1,464	600,485 0 0
Leitrim,	109	48,495 0 0		
Mayo,	297	126,884 0 0		
Donegal,	265	110,138 0 0		
Galway,	485	176,810 0 0		
Clare,	176	71,351 0 0		
SOUTHERN.				
Limerick,	469	211,831 0 0	1,831	781,271 0 0
Tipperary,	318	117,567 0 0		
Waterford,	96	38,103 0 0		
Cork,	683	189,535 0 0		
Kerry,	365	194,033 0 0		
Totals,			6,056	2,721,442 0 0

THOROUGH DRAINAGE.

The quantity of land thorough drained under the Acts from the commencement in 1847, to the 31st March in this year, is 258,183 acres; and of this quantity 2,627 acres have been drained during the year now reported on, at an average cost of £7 6s. 6d. per acre.

PLANTING FOR SHELTER.

For this purpose 30 Loans have been granted since the passing of the Act 29 & 30 Vic., c. 40, and of this number 3 amounting to £2,725, were sanctioned since the 31st March, 1876.

FARM BUILDINGS.

Since the passing of the Act 13 & 14 Vic., c. 31, 1,043 Loans have been sanctioned for the erection of farm buildings, amounting to £519,670. Of this number 84 Loans, amounting to £51,435, were approved during the past financial year.

DWELLINGS FOR AGRICULTURAL LABOURERS.

For this class of work 349 Loans have been sanctioned since the passing of the Act 23 Vic., c. 19, giving a total amount of £199,090; the cases sanctioned since our Report last year being 44, amounting to £32,105.

Appendix C gives the Reports of the District Inspectors, and Appendix D the usual statement of the Loans in progress and amounts issued.

LANDLORD AND TENANT ACTS, 1870 AND 1872.

33 & 34 Vic., c. 46, and 35 & 36 Vic., c. 32.

Under this head we have to report a considerable increase in the advances made to tenants in aid of purchase, the total of the several Loans under both Acts amounting to £76,206 for the past year, as against £43,402 issued in the preceding year, which, with the sums issued in previous years, makes £367,958 advanced to assist tenant-farmers in purchasing their holdings.

In the majority of these cases the sales were made in the Landed Estates Court, under the 45th section of the Act of 1870; the number coming under that section during the year ending 31st March, 1877, being 103, and the advances amounting to £55,775; the total number of Loans under that section being 514, amounting to £305,736.

Under the 44th section of the same Act, which provides for the granting of Loans to tenants purchasing by agreements with their landlords; such agreements to be approved by the Court, the number of advances made since our Report for 1875-6 was 4, amounting to £4,145, and giving a total under this section, since the commencement, of 14 cases, amounting to £17,212.

Under the Amending Act (1872) we have advanced sums in aid of purchase by tenants in 12 cases since the end of March, 1876, amounting to £16,286. In these cases the proceedings were carried out without the intervention of the Court. The number of cases since the passing of that Act in which advances have been made under its provisions is 47, the total amount issued being £35,010.

In the following table will be found the numbers and amounts of the Loans made under both Acts since the commencement in 1870 to the 31st March, 1877, arranged according to Provinces and Counties.

SCHEDULE showing the number of cases in which Advances have been made to Tenants for the purchase of their Holdings, stating the amount of the Purchase-money, the sum advanced by the Board, the number of Acres purchased, with the Annual Rent and Government Valuation of same, up to 31st March, 1877.

PROVINCE AND COUNTY.	No. of Loans.	Amount of Purchase-money.			Amount Advanced.			Number of Acres.			Annual Rent.			Tenement Valuation.		
		£	s.	d.	£	s.	d.	Ac.	R.	P.	£	s.	d.	£	s.	d.
LEINSTER:																
Carlow,	2	1,770	0	0	945	89	1	30	94	6	0	75	10	0		
Dublin,	6	37,216	11	9	9,808	680	2	27	762	19	7	577	19	0		
Kildare,	2	2,550	0	0	1,380	82	1	2	122	14	2	69	0	0		
Kilkenny,	26	37,789	0	0	17,463	1,639	1	5	1,118	3	0	1,094	4	6		
King's,	6	4,300	0	0	2,632	348	0	20	198	8	11	150	10	4		
Longford,	7	3,472	0	0	1,840	224	3	34	174	14	0	166	0	0		
Louth,	3	8,400	0	0	5,338	373	1	31	342	6	6	345	5	0		
Meath,	12	55,747	17	2	31,693	2,006	0	11	2,294	16	2	2,092	10	0		
Queen's,	2	7,900	0	0	4,000	356	3	35	364	6	7	297	15	0		
Westmeath,	4	15,660	13	11	8,418	668	3	26	666	5	8	589	10	0		
Wexford,	7	6,031	1	6	3,713	397	1	33	354	12	2	292	5	0		
Wicklow,	4	9,178	0	0	5,576	580	3	34	509	17	6	364	10	0		
Totals,	81	156,713	4	3	93,661	7,307	2	10	4,788	10	5	5,396	9	10		
MUNSTER:																
Clare,	11	11,380	0	0	6,366	848	0	28	396	2	7	428	10	0		
Cork,	21	28,167	11	5	15,371	3,188	0	12	1,319	19	11	1,088	16	0		
Kerry,	2	2,870	0	0	1,840	308	2	5	161	0	0	140	15	0		
Limerick,	17	57,328	15	0	27,005	1,780	1	10	2,428	11	4	1,585	5	0		
Tipperary,	46	45,380	16	8	25,507	3,119	3	26	1,972	12	2	1,491	2	0		
Waterford,	1	1,000	0	0	600	26	0	18	45	0	0	32	0	0		
Totals,	98	141,087	3	1	77,229	5,566	0	26	5,323	6	0	4,717	7	0		
CONNAUGHT:																
Galway,	6	16,157	2	8	10,177	1,016	1	4	811	17	3	687	11	0		
Leitrim,	3	663	0	0	380	71	1	97	24	8	0	28	10	0		
Mayo,	3	2,795	0	0	1,832	270	1	33	97	1	8	112	11	0		
Sligo,	6	7,281	15	0	4,518	477	5	32	387	13	0	326	5	0		
Totals,	18	28,196	17	8	18,540	2,259	0	3	1,806	14	11	1,164	17	0		
ULSTER:																
Antrim,	13	10,447	0	0	5,808	698	0	31	400	7	1	365	15	0		
Armagh,	36	4,664	0	0	2,026	333	0	17	222	8	10	231	10	0		
Cavan,	20	15,845	17	5	10,182	900	0	10	665	15	3	604	8	0		
Down,	44	38,147	0	0	25,197	3,286	1	11	1,832	10	1	1,433	16	0		
Fermanagh,	1	4,300	0	0	2,600	123	3	33	179	13	9	148	10	0		
Londonderry,	208	160,173	11	11	98,164	10,243	3	39	5,168	4	9	4,660	19	10		
Monaghan,	4	1,203	0	0	759	73	1	15	45	2	6	50	0	0		
Tyrone,	57	36,006	10	0	23,342	2,274	1	30	1,408	18	5	1,314	15	0		
Totals,	378	272,685	19	4	169,106	17,932	1	26	9,843	0	8	9,366	13	10		
Gross Totals,	875	699,623	4	4	367,958	36,975	0	35	24,461	12	0	21,744	7	8		

ARTERIAL OR RIVER DRAINAGE.

The Board's duties in connexion with the works of Arterial Drainage, with Improvements of Navigation and Water-power, under the original Acts, viz., the 5 & 6 Vic., cap. 89; 8 & 9 Vic., cap. 69; 9 Vic., cap. 4; 10 & 11 Vic., cap. 79; 16 & 17 Vic., cap. 130; 18 & 19 Vic., cap. 110; 19 & 20 Vic., cap. 62; 20 & 21 Vic., cap. 23; 21 & 22 Vic., cap. 41; and 35 & 36 Vic., a. 31, have been confined during the past year to determining, on the application of proprietors, the amount of increased rent to be paid by tenants in respect of the benefit derived by them from improvements in their holdings, resulting from the Drainage operations; and to giving information, assistance, and advice to the Trustees of Districts, on such points connected with their trusts as they might request,

Arterial
Drainage.

and which we have felt it within our province to give: all executive operations have been long since brought to a close.

The price agreed upon for Clonakilty Slob-lands has been paid; this will relieve this Board of any future responsibility in connexion with them.

The whole expenditure charged against the different undertakings commenced under the Arterial Drainage Acts (prior to 1863), including £70,201 for works chargeable to counties, amounted at the end of March, 1876, to £2,390,612 12s. 4d.; and the repayments in respect thereof amounted to £1,308,058.

Drainage and Improvement of Lands (Ireland) Act, 1863, and Amendments thereof;

26 & 27 Vic., c. 88; 27 & 28 Vic., c. 72; 28 & 29 Vic., c. 52; 32 & 33 Vic., c. 72; 35 & 36 Vic., c. 31; and 37 & 38 Vic., c. 32.

Applications for two new Drainage districts were received during the year 1876-77, namely, the Laracor and some of its tributaries, in the counties of Galway and Roscommon; and the Quoile, near Downpatrick, county Down; and a renewed application for The River Suck District (No. II.)—Nos. 47 and 52 in subjoined list—counties of Galway and Roscommon.

The total number of districts brought before the Board since the passing of these Acts and up to the 31st March, 1877, is 50, (three being twice applied for), viz. :—

	A.	R.	P.		A.	R.	P.
1. Ashboy, county of Meath,	1,388	0	27	30. Lough Erne, counties Fermanagh, Carrick, and Monaghan, (No. I.), . . .	17,437	3	0
2. Ballynacarrig, King's and Queen's counties,	2,402	1	23	31. Torrent River, county Tyrone, . . .	453	1	18
3. Charles, county of Tipperary,	2,446	1	15	32. Tan Boinn, county Wexford, . . .	1,257	3	3
4. Rathdowney, Queen's county,	413	1	39	33. The River Bride and Kilerua, county of Cork,	1,269	3	4
5. Sixmilebridge, county of Clare,	2,595	0	4	34. The Upper Gully—River Gully, Queen's county,	508	1	18
6. Kilmasnalla, county of Tipperary,	1,681	1	18	35. Ballyvanamoe—Blackstaff River, county of Down,	147	2	10
7. Silver River, King's county and county of Westmeath,	1,602	2	30	36. Lough Erne, counties Fermanagh, Carrick, and Monaghan, (No. II.), . . .	19,417	1	5
8. Parnostown, King's county and county of Tipperary,	2,719	0	1	37. Ballyvanamoe, county Limerick, . . .	179	0	5
9. Canage, county of Limerick,	1,360	3	0	38. Ollastrin River, county Tipperary, . . .	323	3	36
10. Elphin, county of Roscommon,	3,395	3	12	39. Fourtowns and Jerritstown, counties Armagh and Down,	428	2	17
11. The Connell, county of Kildare,	747	2	0	40. Rathangan River, county Kildare, . . .	8,789	3	15
12. Briskey, county of Waterford,	829	1	20	41. Stoneyford River, counties Meath and Westmeath,	3,536	2	30
13. Upper Inny, counties of Carrick, Longford, Meath, and Westmeath, . . .	11,675	2	6	42. Tory Hill, county of Limerick, . . .	980	1	38
14. The Quinagh, county of Carlow,	680	3	0	43. Darrahy, county of Limerick, . . .	1,607	2	23
15. The Goddagh, county of Tipperary, . . .	1,657	1	4	44. Dallictemple, county Carlow, . . .	504	3	0
16. The Island Lakes and Glare River, county of Mayo,	1,457	0	32	45. Upper Finn River, county Donegal, . . .	1,274	2	0
17. Lough Ogish and River Erne, county of Carrick,	3,077	1	30	46. Upper Lennan, county Donegal, . . .	656	3	0
18. Bencon Lake and Ballyhean River, county of Mayo,	828	0	0	47. The Ward (No. II.), Dublin and Meath,	86	0	18
19. The Gully, Queen's county,	1,054	0	10	48. The River Suck and its tributaries, counties of Galway & Roscommon, (No. I.),	32,465	2	3
20. The Dooyle, county of Limerick,	409	2	32	49. The Serranibar or Blackwater, county of Carrick,	265	2	19
21. The Ward (No. I.), counties of Dublin and Meath,	886	0	18	50. The Ballyvanamoe, near Athy, Queen's county,	833	2	0
22. Frankfort River, King's county,	1,204	2	0	51. Laracor and tributaries, co. Meath, . . .	878	3	30
23. The Milkos, county of Limerick,	5,350	2	24	52. The Quoile, county Down,	1,279	3	30
24. Dunderry, county of Meath,	3,434	0	20	53. The River Suck and some of its tributary streams, counties Galway and Roscommon, (No. II.),	15,200	0	0
25. Douglas, county of Carlow,	3,088	2	0				
26. Derrinlough, King's county,	422	0	30				
27. Boodinarrig, King's county,	926	3	20				
28. Kildare (Tully River), county of Kildare,	2,347	3	30				
29. Baltrucey, county Kildare,	1,955	2	30				

Acts have been passed confirming the provisional orders of the Board constituting thirty-three of those districts, viz. :—

Ashboy.	Elphin.	Douglas River.	Upper Gully.
Ballynacarrig.	Goddagh.	Derrinlough.	Ballyvanamoe.
Rathdowney.	Canage.	Ballyvanamoe.	Stoneyford.
Sixmilebridge.	Upper Inny.	Boodinarrig River.	Bride and Kilerua.
Kilmasnalla.	Dooyle.	River Torrent.	Tory Hill.
Silver River.	Island Lakes and }	Milkos.	Fourtowns and }
Connell.	Glare River. }	Kildare.	Jerritstown. }
Briskey.	Frankfort River.	Lough Ogish and }	Rathangan River.
Quinagh.		River Erne. }	
Parnostown.			

The works have been completed and final awards made for—

Athboy.	Brickey.	Derrinlough.	Island Lakes and Globe River. } Torrent. Ballinacourty. Upper Gully. Camega.
Bathdowney.	Sixmilebridge.	Parsonstown.	
Ballynacarrig.	Doohyle.	Balnacree.	
Congell.	Elphin.	Boolinacree.	
Quinagh.	Clodagh.	Frankford.	
Kilmastella.	Gully.	Douglas.	
Silver River.			

The works of the following districts are in course of execution :—

Upper Inny, Mulkear, Kildare, Lough Oughter and River Erne, Stoneyford, Bride and Kilkrea, Tory Hill, Stoneyford and Rathangan River.

The works have not been commenced in the Fourtowns and Jerritzpass.

With regard to the remaining districts, the Thurles, Buncom Lake, Dunderry, Boira, Ballyrammore, and Barnakyle, appear to have been abandoned, and the Upper Finn, Ollatrim and Ballintemple have been withdrawn by the petitioners. Revised plans for the Ward and the Sack have been submitted, and the other districts are passing through the stages required by the Acts previous to provisional orders constituting them being made.

Since our last report nothing further has been done in the case of the Lough Erne district. The Inspector reported unfavourably on the project submitted, and his report was furnished to the promoters of the project. The plans having been revised, the Inspector made a further report, which was furnished to the petitioners.

Another petition was presented by the principal proprietors of land in this district, and the Inspector held the meeting required by the Acts and made his report, which was furnished to the petitioners; but the assents of the proprietors have not yet been given to either project, and, until they are, this Board can take no further steps.

The total area of land to be improved in the districts which have been, or are being, proceeded with, is 98,557 statute acres, and the estimated cost of the works £656,185.

The Loans sanctioned by your Lordships under these Acts amount to £348,760. The advances on account thereof, including interest charged during the operation of the works, amount to £275,595, and the repayments from districts, in respect of which awards have been made, amount to £49,979.

INCREASED RENTS IN RESPECT OF DRAINAGE CHARGES.

During the past year twenty-two applications were received from Proprietors for increased rents to be paid by the tenants in respect of lands improved by drainage, and meetings were held by us, representing 126 holdings—61 being tenants from year to year, and 45 leaseholders. See following Schedule :—

Name of District.	Proprietor.	Number of Tenants.	
		Leaseholders.	Year to Year.
Balnacree, co. Kildare,	John A. Potterton,	1	1
	Representatives of E. H. Richards,	6	1
	Do., do.,	3	—
	Christopher Rynd, Blackhall, Nene,	—	6
	Henry Aylmer, Painsdown, Kilkenny,	1	20
Boolinacree, King's county,	Francis V. Bennett, Parsonstown,	1	1
Burren, co. Carlow,	Miss Elizabeth Digby,	4	—
Douglas, "	Nicholas G. Elliott, Johnstown House, Carlow,	2	1
	Right Hon. R. M. O'Ferrall, (2),	2	—
	W. J. Martin, 6, Ely-place, Dublin,	—	2
	W. H. Lecky, 35, Grosvenor Gardens, London,	3	—
	James Kelly, Tullow,	2	—
	Edward Finn,	5	2
Gully and Upper Gully, Queen's co.	Samuel Edge, esq., n.d., Raglan House, Clyde-road, Dublin, (2),	—	8
Inny, co. Westmeath,	Joseph Tufts,	12	29
Parsonstown, King's county,	Bigge Carleton, Ross House, Parsonstown,	1	—
Sixmilebridge, co. Limerick,	William Bostley, Haristown, Broadford, co. Clare,	1	—
Torrent, co. Tyrone,	William Woodney, agent for the Governors and Guardians of the Observatory, Armagh,	—	3
	Joseph Falls, Drumhallyne Road,	—	4
	John Samerville, Turvey, Castleamalg,	1	3
		45	81
	Number of Applications, 22,	126	

Drainage Maintenance Act, 1866 ;

29 & 30 Vic., cap. 49.

Three new applications were received during the past year, viz. :—

Hind River District, county Roscommon, for removal of obstructions at the mouth of the river at Lough Ree.

Quin River District, county Clare, obstructions at Cullane Lake, &c.

Ballinamore and Ballyconnell Drainage District, county Leitrim, dangerous state of bridge at Droppogoe.

The works of the following districts were in progress :—

Borris-in-Ossory, Glenariff, Loughans, and Monivea.

The works of Borris-in-Ossory and Glenariff were completed.

Charging Orders were made for Owenabrockagh, Borris-in-Ossory, and Glenariff.

The steps required by the Act have been taken as regards the Hind and Ballinamore and Ballyconnell. The Quin awaits an inspection by the Engineer.

Maintenance of Navigations in connexion with Drainage under provisions of Act

19 & 20 Vic., c. 62.

With reference to the two applications from the Ballinamore and Ballyconnell Navigation District, detailed in our last Report, we have had the repairs of the embankment, &c., at Ballyconnell Mills completed, and the certificate for the cost, £130 14s., was presented at last Spring Assizes.

Harbours.

HARBOURS.

Kingstown Harbour, County Dublin.

All the works of this Harbour, including the Piers, Jetties, Wharves, Buildings, Fences, Roads, Lamps, and Sewers have been maintained in good order, and the following works have been executed, or have been in progress :—

The reconstruction of "The Wolf" Jetty at the East Pier was completed.

New system of Fenders and Sheeting for the protection of the Mail Packet Pier from collision with the Mail Packets.

Making good the inner faces of the Wharves and Parapets.

Repairing the Coast Guard Slips.

Deepening the Harbour by dredging.

A Screw Mooring was fixed in the light of the East Pier.

The gale of the 3rd January, 1877, caused considerable damage to the sea pavement of the West Pier, and to the breakwater, parapet, and road-way of the East Pier.—*See Engineer's Report, Appendix B.*

The following is a return of the Vessels that have used the Harbour during the last year, 1876—Mail Steam Packets excepted :—

	Number.	Tonnage.
To and from the port of Dublin, waiting wind and tide, Sailing Vessels,	238	73,707
Do. do. do. Steamers,	23	5,906
From English, Irish, Scotch, and Foreign ports, to Irish ports,	283	22,870
From English, Scotch, and Foreign ports, to English and Scotch ports,	115	15,680
From Irish ports to English, Scotch, and Foreign ports,	192	17,819
From English and Scotch ports to Foreign ports,	28	10,492
For Orders,	2	503
To Kingstown,	318	35,385
Yachts from Great Britain,	93	—
Men-of-War, H.M. Stores Troopships, &c.,	30	—
Total,	1,282	182,191

In the previous year the numbers were, 1,412 200,890

Houth Harbour, County Dublin.

The works completed or in progress during the year were :—

The works of the sea pavement of the East Pier.

The roads, wharves, &c., were sufficiently maintained.

Very great damage was done to the Harbour Works, by a succession of gales in September, 1876, and January and April, 1877; both East and West Piers were seriously injured, and fourteen of the fish curing sheds were destroyed.—*See the Engineer's Report, Appendix B.*

The herring fishery was satisfactory.—*See Harbour Master's Report, Appendix B.*

Donaghadee Harbour, County Down.

Very considerable damage has been caused by the storms of the past Winter.—*See the Engineer's Report, Appendix B.*

Dunmore Harbour, County Waterford.

The works in progress were repairs to the sea slopes and pavements; and the reconstruction of part of the stone jetty adjoining the pier head. The sea slope and parapet were damaged by the storms in November, 1876.—*See Engineer's Report, Appendix B.*

FISHERY PIERS AND HARBOURS.

Acts 9 Vic., c. 3; 9 & 10 Vic., c. 75; 16 & 17 Vic., c. 136; 19 & 20 Vic., c. 37;
29 & 30 Vic., c. 45.

One memorial was received during the year 1876-77 for a new Pier at Ray, Lough Swilly, county Donegal.

The following is a Schedule of the memorials for piers, harbours, and other works received since the commencement of the year 1870, showing the nature of the work, and whether recommended, or in progress, &c. :—

Place and Situation.	County.	Description of Pier, &c.	Observations.
Ballyloughan,	Galway,	Repairs of Quay,	Not sanctioned.
Annamong,	Down,	To enlarge Harbour,	Not followed up by Memorialists.
Glin Pier,	Limerick,	To construct new Pier,	Completed and handed over to County.
Giles' Quay,	Louth,	To construct Pier and Landing Slip,	In progress under Board's Engineer.
Blackrock,	Louth,	Pier or Landing Slip,	Not followed up by Memorialists.
Courtown Harbour,	Wexford,	Pier to be replaced,	Completed.
Carriekfergus,	Antrim,	To improve and extend Harbour,	Harbour being vested in the Harbour Commissioners and cannot be transferred to the county, no grant could be made.
Port Orriel, Clagher Head,	Louth,	Do, do,	In progress by Contract.
Manan Bay,	Galway,	For a small Pier, Quay, and Landing Slip,	Not followed up by Memorialists.
Lower Ring, near Clonsilla,	Cork,	Pier,	Not recommended, as fishery interests would not derive sufficient benefit.
Ballycotton,	Cork,	To lengthen Pier and build Breakwater,	Not followed up by Memorialists.
Courtmaisherry,	Cork,	Pier and Dock,	In progress by Contract; nearly completed.
Greystones,	Wicklow,	Quay and Landing Slip, with approach,	Not recommended.
Inishbofin Island,	Galway,	Pier,	Completed and handed over to County.
Inishark Island,	Galway,	Slip or Landing Place,	Completed and handed over to County.
Pool Hurin,	Donegal,	Pier and Slip,	*Not yet reported on by Engineer.
Mullingbeg,	Donegal,	Landing Slip,	Not followed up by Memorialists.
Kinsale,	Cork,	Pier at "Silly,"	Site not approved—see Kinsale "Town Rock."
Tawney,	Donegal,	Pier and Slip,	*Not yet reported on by Engineer.
Mosroe,	Donegal,	Pier,	Not followed up by Memorialists.
Smooles, or Poulsbly,	Galway,	For a Pier and Slip, with road thereto,	*Not yet reported on by Engineer.
Southey Island, Lower Shannon,	Clare,	To enlarge and improve present Pier,	*Reported on by Engineer.
Ballydugart Boat Pier,	Donegal,	Pier,	*Not yet reported on by Engineer.
Boonaspaka Pier,	Clare,	Pier near Ballyvaughan,	In progress by Contract.
Molranny, Clow Bay,	Mayo,	Pier and Landing Slip,	*Reported on by Engineer.
Cape Clear Island,	Cork,	To repair and improve the Ship Basin at North Harbour or Keirnan's Port,	Grant sanctioned, and contributions paid.
Rathmullan Pier,	Donegal,	Extension and rebuilding of Pier Head,	In progress by Contract; nearly completed.
Burton Pier,	Donegal,	To repair and extend Pier and improve Harbour,	*Reported on by Engineer.
Inishbofin and Inishark,	Galway,	For a navigable cut through the shoal, south side, and to improve Slip,	*Do.
Kinsale,	Cork,	Pier at "Town Rock," and approach Road and Boat Slips,	Site approved; waiting information from the Memorialists.
Cheek Point,	Waterford,	To extend and repair the old Pier,	*Engineer has not yet reported.
Passage East,	Waterford,	For extension of North Pier as far out as the South Pier,	Not followed up by Memorialists.
Skerries Harbour,	Dublin,	For a Fishery Pier and some Wharfe and Harbours Accommodation,	Do, do.
Ray,	Donegal,	Pier on Lough Swilly,	*

*Fishery
Piers and
Harbours.*

As the works at the harbour of Ardglass will involve a large expenditure, Your Lordships have directed us, for the present, not to bring forward applications for grants in aid of fishery piers from any other places, with the exception of Kinsale. We have, therefore, taken no further proceedings in the cases in the foregoing Schedule which are marked thus (*).

The Ardglass Harbour Act, 39 & 40 Vic., c. 236 (Local), vesting the harbour in this Board, having received the Royal assent on the 15th August, 1875, we commenced the preliminary proceedings required by the Act, lodged the provisional declaration, and took the necessary steps to obtain the assents of the rate-payers of the district and of the proprietor of the lands chargeable with the loan. These having been obtained, the other steps required will now be taken to enable us to proceed with the works.

The Bill for the improvement of Arklow Harbour, which was introduced last session, was withdrawn, owing to the opposition of the new Board of Directors of the Wicklow Copper Mine Company: the former Directors approved of the provisions of the Bill.

Ballyvaughan Pier, county Clare—Works of repair in progress.

Kilkeel Harbour, county Down—Report and estimate for repairs forwarded to the Lord Lieutenant.

Inland Navigations.

INLAND NAVIGATIONS.

Lower Boyne Navigation.

The works consisted of repairs to lock gates, river walls, and towing-paths, &c.—*See Report of Superintendent, Appendix B.*

River Maigue Navigation.

The works of this navigation are in very good repair, and the house and premises in good order.—*See Inspector's Report, Appendix B.*

Tyrone Navigation (Coatland Canal).

This navigation has been maintained in good order, and the works have been limited to the repairs incidental to its maintenance.—*See Inspector's Report, Appendix B.*

Ulster Canal.

This canal has now been re-opened for traffic four years, but a very limited use has been made of it as a means of carriage, and there is no improvement in the amount of traffic. A moderate scale of dues was fixed with the view of giving encouragement to the trade in the district, but the result, up to the present, has not proved satisfactory as stated in our last report. Any improvement in the amount of traffic will depend chiefly on a through trade between the north of Ireland and Belfast, and the towns situated in the vicinity of the canal and on to Lough Erne, which can only be effected by the assistance of steam tugs, which are not yet used in Lough Neagh.

The works during the past year have been limited to the repairs incidental to its maintenance.—*See Inspector's Report, Appendix B.*

Shannon Navigation.

The works have been kept in good repair.—*See Inspectors' Reports, Appendix B.*

The gross receipts from all sources amounted to £3,946, and the charges of maintenance to £3,459, showing a surplus of receipts over the expenditure of £487. The sum received in respect of tolls was £3,146, against £2,003 for last year. The increase, £1143, is satisfactory evidence of the progress of trade on the navigation.

Post Roads.

POST ROADS.

Act 6 & 7 Wm. IV., cap. 116, section 61.

Applications from the Postmaster-General were received during the past year for repairs of post roads situated in the following counties:—

CARLOW—Carlow to Tullon.

CLARE—Bell Harbour and New Quay, near Ballyvaughan.

COCK—Cork to Crosshaven.

COCK—Cork to Carrigrohane.

COUNTY OF TOWN OF DROGHEDA.—*Post Office to Railway Station at Drogheda.*

DUBLIN.—*Blanchardstown to Clonsilla and County Boundary.*

LITTIM.—*Drumshambo to Drumbeeran.*

LONDONDERRY.—*Magherafelt to Draperstown.*

MAYO.—*Swingford to Ballyhaunis.*

The repairs so far as preliminaries are completed, and where the road is not already under contract, are being executed under the superintendence of the respective County Surveyors. The cost of the works is repayable by Grand Jury Presentment at subsequent Assizes.

COUNTY SURVEYORS' ASSISTANTS.

Nine candidates for the office of County Surveyors' Assistants have been examined under the Warrant of the Lord Lieutenant, pursuant to the provisions of the Act 6 & 7 William IV., c. 116, and their qualifications certified to the County Surveyors, as follows:—

County
Surveyors'
Assistants.

Candidates.	County Surveyors.	Number of Assistants.
Antrim,	Alexander Tate,	One.
Clare,	John Hill,	One.
Down,	Edmund B. Murray,	One.
Fermanagh,	Frederick Wilson,	One.
Kilkenny,	Peter Burtchall,	One.
Lettin,	James B. Pratt,	One.
Londonderry,	A. C. Adair,	Three.

ARBITRATIONS UNDER "THE RAILWAYS ACTS, IRELAND (1851, 1860, 1864)."

Under the
Railways
Acts, Ireland
(1851, 1860,
1864).

Arbitrations have been applied for, and Arbitrators appointed for the following, viz.:—

Waterford, Dungarvan, and Lismore Railway—Additional Premises at Kilmacthomas Station.

Ballymena and Larne Railway—Land for construction of Line—Two arbitrations.

Dundalk, Newry, and Greenore Railway—Land at Greenore.

Midland Great Western Railway of Ireland—Land at Westport.

Ditto, do. Extension from Enfield to Edenderry.

Dungannon and Cookstown Railway—Land for construction of Line.

Great Southern and Western Railway—Lands in Cork city.

Corporation of Cork—Lands, &c., for making a new Street, &c., in the city.

Omagh Town Commissioners—Lands for Water Works.

Galway Poor Law Guardians—Lands for Cemetery.

Belfast Water Commissioners—Lands for Water Pipes.

Mulkear Drainage Board, co. Limerick—Lands for additional Works.

River Bride and Kileras Drainage, co. Cork—To determine damage to Lands—

Two arbitrations.

Rathangan Drainage Board, co. Kildare—Lands for Works.

TRAMWAYS (IRELAND) ACTS.

Tramways.

23 & 24 Vic., c. 152; 24 & 25 Vic., c. 102; and 34 & 35 Vic., c. 114.

Application having been made, pursuant to these Acts, for a portion of the Dublin Street Tramways, the engineering inquiry and report required have been made by Mr. William Forsyth, &c.

BRIDGES.

Bridges.

Wellesley Bridge, Limerick.

This bridge, which became vested in the Commissioners by the Act 30 & 31 Vic., cap. 53 (1867), was taken over from the lessees on 20th May, 1868, since which period we have maintained the bridge, paid the interest on the commuted debt of £10,000, including arrears of same from 1st July, 1866, and discharged £1,824 of the principal, reducing it to £8,176.

The tolls received during the year amount to £920 against £955 in the previous year.

BRIDGES BETWEEN COUNTIES, UNDER "THE BRIDGES (IRELAND) ACTS,"

4 & 5 Wm. IV., c. 61; 2 & 3 Vic., c. 50; 30 & 31 Vic., c. 50; and 38 & 39 Vic., c. 46.

Youghal Bridge.

(Acts 9 Geo. IV., c. 53; 30 & 31 Vic., c. 57; 36 & 37 Vic., c. 46; and 38 & 39 Vic., c. 47.)

On memorials from the Grand Juries of the counties of Cork and Waterford, the Lord Lieutenant, on our recommendation, appointed Messrs. Forsyth, Kirkby, and Tarrant, to inquire into and report upon the expediency of having a new bridge built over the River Blackwater, near Youghal.

Carrick-on-Suir Bridge.

The Lord Lieutenant, on our recommendation, appointed Messrs. Forsyth and Cotton to inquire into the statements contained in a memorial of the Grand Jury of the South Riding of the county of Tipperary, praying for the re-building of the bridge over the River Suir at Carrick-on-Suir.

The requisite steps are being taken in both cases.

BLACKROCK ROAD, COUNTY DUBLIN.

In compliance with Order of the Privy Council in Ireland, dated 31st May, 1876, the Board proceeded to undertake the repair of the public road and footpaths from MacCartney's-bridge at Baggot-street to the Cross of Blackrock, a total length of 1,212 perches. The works, consisting of (1) cleansing and removing mud, rubbish, &c., (2) restoring surface by filling ruts and spreading road metalling over its entire extent, (3) repairs of footways, channels, curbs, and crossings, were at once undertaken, under the superintendence of the Board's officers, and were completed at a cost of £5,105; the road having been in a state of utter disrepair. The completion of the works was duly represented, and the necessary proceedings will be taken to have that amount repaid to the Board, levied as follows: one-third upon the city of Dublin, one-third upon the county of Dublin, and one-third upon the barony of Rathdown.—See *Engineer's Report, Appendix B.*

We have the honour to be,

Your Lordships' obedient Servants,

J. G. M'KERLIE,

W. R. LE FANU,

Commissioners of Public Works.

E. HORSLEY, *Secretary,*

Office of Public Works, Dublin,

1st June, 1877.

APPENDIX.

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APPENDIX A.—

(A).—ABSTRACT of the ACCOUNTS of the COMMISSIONERS of PUBLIC WORKS in IRELAND, showing the Total of

Balance at Amount	Page	Headings of Accounts.	Debit on 31st March, 1877.	Credit.
			£ s. d.	£ s. d.
A. 1	25	Parliamentary Votes and Grants, viz.:— 1. Public Buildings, Royal Harbours, &c., 2. Office of Public Works, " 3. North Harbour, 4. H.M. Dockyard—Extra Receipts, 5. Contributions in aid of Works at National Schools,	332 18 11	330,304 6 2
A. 2	36	Loans, Advances, and Repayments, viz.:— Loans, 37 Geo. III., c. 34, Public Works Loans, 1 & 2 Wm. IV., c. 35, &c., Arterial Drainage, Land Improvement, Land Act, "	2,995 2 8	574,014 9 9
A. 3	36	Land Improvement Preliminary, 10 Vic., c. 32,	12 8 5	1,661 14 2
A. 4	38	District Local Authorities, "	1,070 2 2	32,365 6 0
A. 5	38	Miscellaneous Services, viz.:— 1. Deposit Accounts, 1 & 2 Wm. IV., c. 33, &c., 2. Railway and other Arbitrations, 14 & 15 Vic., c. 70, 3. Arterial Drainage Deposits, 35 & 37 Vic., c. 86, &c., 4. Maintenance of Post Roads, 16 & 17 Vic., c. 116, 5. Piers and Harbours, 6 Vic., c. 3, &c., 6. Island Navigations:—Shannon, Boynes, 7. Arterial Drainage and Navigation Maintenance, 29 & 30 Vic., c. 49, 8. River Drainage Works, 5 & 6 Vic., c. 80, 9. Wellesley Bridge, 10. Athlone Bridge, 11. National Monuments, 32 & 33 Vic., c. 62, 12. Irish Reproductive Loan Fund, 37 & 38 Vic., c. 84, 13. Sundry Accounts,	6,545 0 10	34,929 0 0
		Total,	11,035 2 0	835,094 10 10
A. 6	42	Classified Statement of Loans for Public Works, 1 & 2 Wm. IV., c. 35, &c.,		
A. 7	44	Statement of Final Awards under Arterial Drainage Act, 5 & 6 Vic., c. 69, with Repayments thereon, to the 31st March, 1877.		
A. 8	50	Do, do, Act, 26 & 27 Vic., c. 83.		

Office of Public Works, Dublin, 2nd May, 1877.

An Account showing the Receipt and Expenditure of the Commissioners

(A. 1).—PARLIAMENTARY

RECEIPT.	£	s.	d.	£	s.	d.	£	s.	d.
Balance from the last Account,	—			—			331	18	11
1. PUBLIC BUILDINGS, IRELAND. Vote for the year 1876-77,	—			174,522	0	0			
NEW WORKS AND ALTERATIONS:—									
H.M. Customs—Taxes on Temporary Offices,	6	9	2						
Transfer in adjustment,	6	8	0						
National Education Buildings:—									
Contributions in aid of Works—Ordinary Literary Schools,	70	5	0						
							83	2	2
MAINTENANCE AND REPAIRS:—									
Relieved,	28	3	0						
Transfer in adjustment,	42	6	1						
Carried forward,	10	11	7	175,005	2	2	331	18	11

of Public Works in the Year ended 31st March, 1877.

VOTES AND GRANTS.

EXPENDITURE.	£	s.	d.	£	s.	d.	£	s.	d.
Balances on Parliamentary Votes, 1876-77, surrendered to H.M. Exchequer, viz.:-									
Public Buildings,	—			428	5	3			
Salaries and Incidents of Office,	—			69	10	3			
							495	15	6
I. PUBLIC BUILDINGS, IRELAND.									
NEW WORKS AND ALTERATIONS:—									
Coast Guard Buildings,	18,821	11	9						
Royal Hibernian Military School,	873	10	3						
Royal Hospital, Kilmalsham,	385	8	0						
Revenue Buildings:—									
Boswell's Customs Station,	15	2	2						
Postal and Telegraph Offices:—									
Dublin,	207	15	11						
Belfast,	6	8	0						
Cork,	841	18	2						
Limerick,	17	2	9						
London-derry,	3,180	2	3						
Waterford,	3,717	15	6						
				7,988	4	9			
Viceroy's Lodge, Phoenix Park,	300	14	5						
Chief Secretary's Lodge,	121	16	0						
Metropolitan Police Buildings,	566	7	5						
Royal Irish Constabulary Buildings, including the Depot									
Barracks, Phoenix Park,	4,206	9	6						
Convict Prisons,	501	7	0						
Central Criminal Lunatic Asylum, Dundrum,	234	14	7						
National Education Buildings:—									
Male Training Establishment, Dublin,	444	16	9						
Agricultural Model Schools,	505	0	4						
District Model Schools,	364	1	7						
Ordinary Literary Schools,	6,621	18	1						
				7,635	16	9			
Queen's Colleges:—									
Belfast,	6	10	2						
Cork,	197	5	1						
				203	13	3			
National Gallery of Ireland,				82	12	6			
Public Offices, Dublin Castle,				634	10	0			
Ordinance Survey Office,				1,445	4	2			
							44,000	0	4
MAINTENANCE AND REPAIRS:—									
Coast Guard Buildings,	4,489	19	0						
Royal Hibernian Military School,	2,065	0	10						
Royal Hospital, Kilmalsham,	2,271	17	6						
Customs Buildings throughout Ireland,	543	16	7						
Inland Revenue Buildings,	55	7	9						
Post Office and Telegraph Buildings,	2,368	7	2						
Dublin Castle—Residences, &c.,	2,459	10	6						
Viceroy and other Lodges, Phoenix Park,	5,318	17	9						
Law Courts and Offices, Dublin,	2,744	18	7						
King's Lane Offices,	151	11	10						
District Probate Registry Offices,	425	7	6						
Metropolitan Police Buildings,	2,538	18	0						
Royal Irish Constabulary Buildings, including the Depot									
Barracks, Phoenix Park,	3,145	7	1						
Convict Prisons,	1,785	9	10						
Central Criminal Lunatic Asylum, Dundrum,	973	5	8						
Royal Dublin Society:—									
House, &c., Kildare-street,	1,323	9	7						
Botanic Gardens, Glasnevin,	431	8	0						
				1,754	15	7			
Carried forward,	33,077	11	9	44,000	0	4	495	15	6

of Public Works in the Year ended 31st March, 1877.

VOTES AND GRANTS—continued.

EXPENDITURE—continued.		£	s.	d.	£	s.	d.	£	s.	d.
1. PUBLIC BUILDINGS—continued.		—			44,000			495 15 6		
Maintenance and Repairs, brought forward,		33,077	11	9						
Royal College of Science,			154	14	10					
Geological Survey Office,			15	10	10					
National Education Buildings:—										
Metropolitan Establishments,	1,088	10	10							
Agricultural Model Schools and Albert										
Farm, Glasnevin,	1,370	2	11							
District and Minor Model Schools,	1,333	7	7							
Ordinary Literary Schools,	3,180	13	9							
					7,571	15	1			
Royal Irish Academy,			58	0	8					
National Gallery of Ireland,			258	18	6					
Queen's Colleges—Belfast,	193	1	11							
Cork,	477	0	9							
Galway,	295	5	6							
					944	8	2			
Public Offices in Dublin,			2,996	12	2					
								45,097	12	0
RENT AND INSURANCE,								5,056	13	9
FURNITURE AND FITTINGS:—										
Coast Guard Buildings,			70	12	11					
Royal Hibernian Military School,			541	19	5					
Royal Hospital, Kilmainham,			493	15	6					
Customs Buildings throughout Ireland,			353	5	3					
Island Revenue Buildings,			365	17	3					
Post Office and Telegraph Buildings,			1,737	19	7					
Dublin Castle, Residences, &c.,			1,779	19	1					
Viceroyal and other Lodges, Phoenix Park,			1,238	9	5					
Law Courts and Offices, Dublin,			887	19	9					
King's Inns Offices,			55	7	9					
District Probate Registry Offices,			101	12	5					
Metropolitan Police Buildings,			1,246	16	0					
Royal Irish Constabulary Buildings, including the Depot										
Barracks, Phoenix Park,			335	16	0					
Convict Prisons,			344	13	3					
Central Criminal Lunatic Asylum, Dandrum,			663	26	3					
Royal Dublin Society:—										
House, &c., Kildare-street,	297	14	9							
Botanic Gardens, Glasnevin,	40	6	8							
					338	1	5			
Royal College of Science,			118	7	7					
Geological Survey Office,			9	8	2					
National Education Buildings:—										
Metropolitan Establishments,	816	17	9							
Agricultural Model Schools and Albert										
Farm,	275	0	8							
District and Minor Model Schools,	692	11	10							
					1,786	10	3			
Royal Irish Academy,			14	3	10					
National Gallery of Ireland,			32	6	0					
Queen's Colleges—Belfast,	299	13	8							
Cork,	278	2	9							
Galway,	119	6	1							
					607	4	6			
Public Offices, Dublin,			1,833	14	1					
								16,267	9	8
FUEL, LAMPS, AND WATER:—										
Coast Guard Buildings,			3	0	0					
Royal Hibernian Military School,			1,150	4	6					
Royal Hospital, Kilmainham,			982	11	6					
Customs Buildings throughout Ireland,			513	4	3					
Post Office and Telegraph Buildings,			2,042	0	8					
Dublin Castle—Residences, &c.,			320	8	3					
Viceroyal and other Lodges, Phoenix Park,			574	15	6					
Carried forward,			5,626	4	8			107,911	15	9
								495	15	6

of PUBLIC WORKS in the Year ended 31st March, 1877.

VOTES AND GRANTS—continued.

EXPENDITURE—continued.		£	s.	d.	£	s.	d.	£	s.	d.
		—			—			495	15	6
1. PUBLIC BUILDINGS—continued.					107,911			15	9	
Post, Light, and Water, brought forward,		5,636	4	8						
Law Courts and Offices, Dublin,		1,072	17	10						
King's Inns Offices,		80	16	3						
District Probate Registry Offices,		201	10	0						
Metropolitan Police Buildings,		3,230	12	0						
Royal Irish Constabulary Depot Barracks, Phoenix Park,		1,211	17	2						
Convict Prisons,		3,798	19	2						
Central Criminal Lunatic Asylum, Dundrum,		690	15	6						
Royal Dublin Society—Houses, &c., Kil-										
dare-street,	1,009	18	3							
Botanic Gardens,	386	16	3							
					1,456	14	8			
Royal College of Science,		271	18	8						
Geological Survey Office,		27	15	11						
National Education Buildings:—										
Metropolitan Establishments,	1,291	11	1							
Agricultural Model Schools, and Albert										
Farms,	678	0	11							
District and Minor Model Schools,	1,024	2	0							
					3,493	14	0			
National Gallery of Ireland,		19	7	0						
Public Offices, Dublin,		2,427	19	9						
								21,606	0	3
INCIDENTAL EXPENSES, ALLOWANCES TO PAY CLERKS, &c.,								63	9	11
PHOENIX PARK:—										
Maintenance of Gate Lodges, Roads, Deer Parks, Flower										
Garden, &c.,		5,133	10	4						
Salaries of Bailiff, Doorkeeper, Gate-keepers, Constables, &c.,		965	6	10						
Incidental expenses, including attendance of Police, Gun-										
light, Clothing for Constables, &c.,		420	13	6						
Compensatory Works arising out of Great Southern and										
Western Railway Tunnel,		969	0	10						
Transferred to "Miscellaneous Services,"		41	5	0						
								7,540	10	2
THE CURRAGE OF KILBARR:—										
Salary and Allowances of Deputy Ranger,		336	8	0						
Salaries of Bailiffs,		234	0	0						
Labour and Incidental Expenses, including Clothing for										
Bailiffs,		182	7	3						
								732	15	3
HARBOURS AND INLAND NAVIGATIONS:—										
Kingstown Harbour:—										
Salaries of Harbour Master, Superintendent,										
&c.,	461	10	0							
Boatmen, Watchmen, &c.,	428	7	4							
Incidents and Contingencies, including										
Gaslight, &c.,	231	10	8							
Maintenance and General Repairs, Mate-										
rials, &c.,	4,788	19	8							
Works at Mail Packet Pier,	1,065	16	7							
Dredging Works,	2,168	19	0							
					9,219	3	0			
Donaghadee Harbour:—										
Labour, Materials, Incidents, &c.,	327	2	6							
Salary of Harbour Master,	20	0	0							
					327	2	6			
Dunmore Harbour:—										
Labour, Materials, Incidents, &c.,	465	0	4							
Expenses incurred in towing Dredger to										
Kingstown Harbour—Materials, Fit-										
tings, &c.,	107	0	0							
Transferred to Kingstown										
Harbour Account—Cost										
of Repairs,	87	0	5							
					194	0	5			
Rates and Taxes,		3	7	10						
Salary of Harbour Master,		20	0	0						
					622	8	7			
Carried forward,					10,278	14	1	139,924	17	4
								495	15	6

(A 1.)—PARLIAMENTARY

RECEIPT—continued.	£	s	d	£	s	d	£	s	d
	—	—	—	175,137	9	2	351	18	11
1. PUBLIC BUILDINGS—continued, Harbours and Inland Navigations, brought forward,	155	5	2						
				155	5	2			
							175,292	14	4
2. OFFICE OF PUBLIC WORKS, (CLASS II.) :— Vote for the year 1876-77,	—	—	—	25,675	0	0			
Stamps recovered,	—	—	—	18	0	11			
							25,693	0	11
3. HOWTH HARBOUR :— Rents,	—	—	—	349	18	11			
Dues,	—	—	—	519	13	10			
Sale of Materials,	—	—	—	3	8	3			
Transferred from " Harbours, &c."	—	—	—	750	0	0	1,623	1	0
4. KILKINNEY—EXTRA RECEIPTS :— Public Buildings :— Rents,	277	5	0						
Sale of Materials, &c.,	255	10	4						
Received from the Board of Superintendence, Kilmainham Jail, proportion payable by the county of Dublin, for Maintenance of Engine, Pumps, &c., for supplying water,	112	4	0						
							616	5	10
Phoenix Park :— Grazing Rents,	3,108	5	3						
Sale of Hay, Deer-hides, &c.,	153	9	3				4,261	14	11
Kingstown Harbour :— Dues,	1,552	7	3						
Rents,	286	15	0						
Hire of Diving-dress, &c.,	2	8	6				1,841	11	3
Dunaghadee Harbour :— Rents,	—	—	—				13	1	0
Dunmore Harbour :— Dues,	26	17	6						
Rents,	18	14	8				45	12	2
Typoon Navigation :— Tolls,	344	7	11						
Rents,	43	10	1						
Sale of Land,	21	5	0				369	5	0
Malguo Navigation :— Tolls,	—	—	—				16	7	4
Ulster Canal :— Tolls,	37	18	2						
Rents,	139	4	3				167	2	5
Salaries and Incidents of Office :— Law Costs and Stamps recovered,	—	—	—				5	11	8
							4,376	9	7
5. CONTRIBUTIONS received in aid of Works at Ordinary Literary Schools, including balances from former year,	—	—	—				310	2	4
							210,636	7	1

Office of Public Works, Dublin, 2nd May, 1877.

of Public Works in the Year ended 31st March, 1877.

VOTES AND GRANTS—continued.

EXPENDITURE—continued.		£	s.	d.	£	s.	d.	£	s.	d.
								493 15 6		
1. PUBLIC BUILDINGS—continued.										
Harbours and Inland Navigations, brought forward, . . .		10,278	14	1		139,924	17	4		
Tyrene Navigation :—										
Labour, Materials, Incidents, &c.,	140	2	4							
Salaries of Superintendent, Collectors,										
Lockkeepers, &c.,	227	4	0							
Malaga Navigation :—					367	6	4			
Labour and Materials,										
Salary of Collector,	8	1	2							
Salary of Collector,	16	0	0							
Ulster Canal :—					34	1	2			
Labour, Materials, Incidents, &c.,	576	10	8							
Salaries of Superintendent, Collectors,										
Lockkeepers, &c.,	534	14	0							
Piers and Harbours Act, 9 Vic., c. 2 :—					1,101	4	8			
Transfer on aid of Works,	4,500	0	0							
Howth Harbour,	700	0	0							
					5,250	0	0			
						17,021	6	3		
2. OFFICE OF PUBLIC WORKS (Class II.) :—								150,946	3	7
Salaries,						24,845	11	5		
Travelling Expenses,						3,940	12	8		
Incidental Expenses,						238	16	5		
Fees to Counsel, &c.,						12	0	8		
								22,097	1	2
3. HOWTH HARBOUR :—										
Labour, Materials, Incidents, &c.,						1,418	0	6		
Rates and Taxes,						4	15	7		
Salary of Harbour Master,						100	0	0		
Gravel Ballards transferred from Kingstown Harbour,						7	10	0		
								1,530	4	1
4. RECEIPTS—EXTRA RECEIPTS :—										
Public Buildings :—										
Transfers in adjustment,		2	5	0						
								2	5	0
Phoenix Park :—										
Advertisements,		9	18	0				9	18	0
Kingstown Harbour :—										
Ballast supplied to Shipping,		484	15	4						
Dublin Port and Docks Board—Adjustment of Debt,		107	5	11				392	1	3
Salaries and Incidents of Office :—								1	1	0
Transfer in adjustment,										
Total Payments out of Extra Receipts,						650	5	8		
Transferred to H. M. Excise,						3,745	7	8		
								4,395	12	11
5. AMOUNT OF CONTRIBUTIONS in aid of Works at Ordinary Literary Schools, expended and transferred to Account of "New Works and Alterations,"								70	5	0
Balance,								18,045	4	10
								210,536	7	1

W. B. SAMPSON, Accountant.

K 2

(A 2).—An Account showing the Receipts and Expenditure of the Commissioners
PUBLIC LOANS.

	£ s. d.	£ s. d.	£ s. d.
To Balance, 31st March, 1876,	—	—	2,895 2 8
LOANS ADVANCES.			
Public Works, 1 & 2 Wm. IV., c. 33:— Amount received from Commissioners of National Debt,	—	207,571 3 10	
Land Improvement, 10 Vic., c. 32, &c.:— Amount issued from Consolidated Fund,	—	122,000 0 0	
Land Act, 33 & 34 Vic., c. 46:— Amount issued from Consolidated Fund, Total issued for Loans,	—	75,000 0 0	404,571 3 10
LOANS REPAYMENTS.			
1. Public Works Loans:— Amounts received under the following Acts, viz.:— Loans, 37 Geo. III., c. 34, Loans, 1 & 2 Wm. IV., c. 33,	189 0 0 31,383 9 11	31,565 9 11	
2. Arterial Drainage:— Amount received from Proprietors for Drainage Works, viz.:— Drainage Works, 5 & 6 Vic., c. 89, Drainage Maintenance, 29 & 30 Vic., c. 49, Drainage Works, 36 & 37 Vic., c. 88,	38,080 8 3 2,317 11 11 10,425 13 9	50,803 13 11	
3. Land Improvement:— Amount received from Proprietors,	—	72,351 7 6	
4. Land Act:— Amount received from Borrowers,	—	15,822 14 7	171,443 5 11
			579,009 12 5

Office of Public Works, Dublin, 2nd May, 1877.

(A 3).—LAND IMPROVEMENT

RECEIPTS.	£ s. d.	£ s. d.
Balance from last Account,	—	12 8 5
Amount received from H. M. Exchequer by way of Loan,	800 0 0	
“ “ from Proprietors in Repayment of Preliminary Expenses,	861 14 2	1,661 14 2
		£1,674 2 7

Office of Public Works, Dublin, 2nd May, 1877.

of PUBLIC WORKS in the Year ended 31st March, 1877.

ADVANCES AND REPAYMENTS.

	£	s.	d.	£	s.	d.	£	s.	d.
LOANS ADVANCES.									
Public Works, 1 & 2 Wm. IV., c. 33:—									
Amount advanced on Loans, viz:—									
For Public Works Loans, 1 & 2 Wm. IV., c. 33, .	68,568	5	4						
For Labourers' Dwellings, 29 & 30 Vic., c. 44, .	18,795	0	0						
For Globe Loans, 33 & 34 Vic., c. 112, .	83,371	0	0						
For Public Health Loans, 37 & 38 Vic., c. 93, .	44,448	0	0						
For Drainage Maintenance, 29 & 30 Vic., c. 49, .	1,583	18	6						
To District Drainage Boards, 26 & 27 Vic., c. 88, .	42,400	0	0						
				306,961	3	10			
Land Improvement, 10 Vic., c. 52, &c.:—									
Paid to Proprietors on account of Loans, . . .	—			131,405	0	0			
Land Act, 34 & 35 Vic., c. 46:—									
Paid to Proprietors on account of Loans, . . .	—			76,205	0	0			
Total paid to Borrowers,							404,572	3	10
LOANS REPAYMENTS.									
1. Public Works Loans:—									
Amounts transferred to H.M. Exchequer, viz:—									
Loans, 57 Geo. III., c. 34,	180	0	0						
Loans, 1 & 2 Wm. IV., c. 33,	31,885	9	11						
				31,885	9	11			
2. Arterial Drainage:—									
Amount transferred to H.M. Exchequer,	—			*60,803	13	11			
3. Land Improvement:—									
Amount transferred to H.M. Exchequer,	—			73,251	7	6			
4. Land Act:—									
Amount transferred to H.M. Exchequer,	—			15,829	14	7			
By Balance carried to next account,	—			—			171,443	5	11
							294	2	8
							379,009	12	5

* See details under districts, pp. 48 to 49.

W. B. SEAR, Accountant.

PRELIMINARIES, 1876-77.

EXPENDITURE.	£	s.	d.	£	s.	d.
Amount paid to Exchequer in Repayment of Advances,	650	0	1			
" paid for Preliminary Investigations, Advertising, Scrivenery, &c.,	758	14	6			
Balance carried to next Account,	—					
						1,408 14 7
						263 8 0
						£1,674 2 7

W. B. SEAR, Accountant.

(A 4).—LUNATIC

AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS of PUBLIC WORKS, IRELAND, (ON 1877, pursuant to Act 1 & 2

RECEIPTS.	£ s. d.	£ s. d.	£ s. d.
Balance from the last Account,	—	—	1,870 2 2
Amounts raised from the Consolidated Fund on account of Loans to the following District Asylums, viz. :—			
Belfast,	—	1,000 0 0	
Carlton,	—	259 6 3	
Clare,	—	304 17 6	
Cork,	—	1,000 0 0	
Donegal,	—	375 0 2	
Killarney,	—	5,000 0 0	
Limerick,	—	7,000 0 0	
Monaghan,	—	339 14 10	
Mullingar,	—	200 0 0	
Richmond (Dublin),	—	707 14 6	
Sligo,	—	2,708 12 9	
Waterford,	—	7,600 0 0	
			32,215 5 0
			£33,275 8 2

Office of Public Works, Dublin, 2nd May, 1877.

AN ACCOUNT showing the RECEIPT and EXPENDITURE of the

(A 5).—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Balance from last Account,	—	—	6,645 0 10
1. DEPOSIT ACCOUNTS, 1 & 2 Wm. IV., c. 33, &c. :—			
Amount received from sundries for Preliminary Expenses, .	—	—	814 0 9
2. RAILWAY AND OTHER AMBULANCE EXPENSES, 14 & 15 Vic., c. 10 :—			
Amount received from Railway Companies and others, to meet Expenses of Ambulance,	—	—	938 10 10
3. ANTI-RURAL DRAINAGE DEPOSITS, 26 & 27 Vic., c. 88, &c. :—			
Received from Drainage Boards on Account of Preliminary and other Expenses,	—	—	245 10 4
4. MAINTENANCE OF FOOT ROADS, 6 & 7 Wm. IV., c. 116 :—			
Amount received from Consolidated Fund,	—	1,500 0 0	
Amount received in repayment of advances made for Repairs, &c. :—			
County Cork,	131 1 5		
„ Dublin,	117 0 0		
„ Down,	122 11 5		
„ Tipperary,	127 18 8		
		498 11 6	
5. PIERS AND HARBOURS :—			
For Repairs, pursuant to 16 & 17 Vic., c. 130—			1,398 11 6
Tarbert Pier, County Kerry,	—	909 9 10	
Ballyvaughan Pier—Advance from H.M. Exchequer,	—	490 0 0	
For New Works, per Act 9 Vic., c. 3, and 29 & 30 Vic., c. 45—			
Glin Pier—Loan from H.M. Exchequer,	—	330 0 0	
Coortanasherry Pier—Loan from H.M. Exchequer,	—	456 15 4	
Glin Quay Pier—Loan from H.M. Exchequer,	300 0 0		
do. Grant in aid,	2,000 0 0		
		2,300 0 0	
Rathdulan Pier—Loan from H.M. Exchequer,	700 0 0		
do. Grant in aid,	1,000 0 0		
		1,700 0 0	
Bontropesha Pier—Loan from H.M. Exchequer,	300 0 0		
do. Grant in aid,	1,500 0 0		
		1,800 0 0	
Kesner's Harbour, Cape Clear, County Cork,	—	600 0 0	
			9,016 3 2
Carried forward,	—	—	19,708 6 7

ASYLUMS' BUILDINGS.

Account of the Commissioners for the Control, &c., of Lunatic Asylums, during the year ended 31st March, Geo. IV., c. 33, &c., &c.

EXPENDITURE	£ s d.	£ s d.	£ s d.
Amounts expended on the following Buildings, viz.:-			
Aomagh,	48 8 8		
Belfast,	1,332 12 8		
Carlow,	602 4 6		
Clare,	164 17 6		
Crommel,	5 19 8		
Cork,	1,786 14 3		
Downgal,	563 12 0		
Kilmarney,	4,428 8 1		
Limerick,	3,650 10 0		
Maryborough,	11 0 0		
Meeragh,	529 14 10		
Mullingar,	775 0 0		
Richmond (Dublin),	453 10 0		
Sligo,	10,328 11 1		
Waterford,	5,355 2 4		
		32,277 14 7	
Transferred to H.M. Exchequer (unexpended balance):-			
Cork Asylum,	—	223 8 7	
Balance,	—	—	32,501 3 2
			774 5 0
			£33,275 8 2

W. R. SODDY, Accountant.

COMMISSIONERS OF PUBLIC WORKS in the Year ended 31st March, 1877.

SERVICES.

EXPENDITURE	£ s d.	£ s d.	£ s d.
1. DEFERRED ACCOUNTS, 1 & 2 Wm. IV., c. 33, &c.:-			
Amount paid for Preliminary Expenses, &c.,	—	—	362 6 7
2. RAILWAY AND OTHER AMMUNITION EXPENSES, 14 & 15 Vic., c. 10:-			
Amount paid to Valuers, &c.,	—	—	1,163 18 9
3. ARTESIAN DRAINAGE DEFERRED, 26 & 27 Vic., c. 35, &c.:-			
Paid for Preliminary Expenses, Arbitrations, &c.,	—	—	516 19 8
4. MAINTENANCE OF POST ROADS, 6 & 7 Wm. IV., c. 114:-			
Repaid to Her Majesty's Exchequer,	—	498 11 0	
Amount expended for Repairs, viz.:-			
County Dublin,	578 13 4		
" Tipperary,	69 8 7		
" Londonderry,	118 16 2		
" of the Town of Drogheda,	59 0 0		
" Carlow,	498 5 9		
5. PIERS AND HARBOURS:-			
For Repairs, pursuant to 16 & 17 Vic., c. 136:-			
Tarbert Pier—Repaid to H.M. Exchequer,	908 9 10		
Ballyvaughan Pier—Expended in Works,	164 8 0		
Balance of unappropriated Grant Fund, 9 Vic., c. 3,		1,324 3 10	
returned to H.M. Exchequer,	—	35 5 6	
For New Works per Act 9 Vic., c. 3, & 29 & 30 Vic., c. 43:-			
Amount expended on the following Works, viz.:-			
Glin Pier,	1,577 10 9		
Courtmacsherry Pier,	575 11 0		
Gibbs' Quay Pier,	2,328 11 5		
Rathmalloe Pier,	1,968 3 4		
Bournehead Pier,	1,472 1 11		
		7,921 18 5	
			9,021 1 9
Carried forward,	—	—	13,087 2 1

AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 5).—MISCELLANEOUS

RECEIPT.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward,		—			—			13,768	6	7
6. ISLAND NAVIGATIONS:—										
Shannon Navigation:—										
Rents,		1,786	8	11						
Tolls,		2,145	18	5						
Sales, &c.,		14	0	3						
Boyne Navigation:—								3,946	7	6
Tolls,		—						145	10	3
7. ARTERIAL DRAINAGE AND NAVIGATION MAINTENANCE, 29 & 30										
Vic., c. 49:—										
Booris-in-Ortery District,		—						894	0	4
Monivea,		—						400	0	0
Glenaciff		—						105	0	8
Hind River		—						10	0	0
8. RIVER DRAINAGE WORKS, 5 & 6 Vic., c. 39:—										
Lough Neagh, Grazing rents,		—						12 8 4		
9. WILLAMET BRIDGE:—										
Tolls,		—						919 15 8		
10. ABERCROMBIE BRIDGE:—										
Tolls,		—						305 10 0		
11. NATIONAL MONUMENTS, 32 & 33 Vic., c. 42:—										
Maintenance Account:—										
Dividends on stock,		—						471	16	11
Preservation Account:—										
Relinquishments,		25	3	0						
Sale of Plant,		50	15	11						
Sale of Stock,		1,809	0	7						
Dividends on Stock,		151	0	6				2,165	17	0
12. IRISH REPRODUCTIVE LOAN FUND, 37 & 38 Vic., c. 86:—										
		Dividends and Sale of Stock, &c.			Repayments.					
County Clare,		146	15	4	115 4 2					
" Cork,		395	10	2	605 4 0					
" Galway,		613	12	4	684 8 10					
" Kerry,		854	9	5	825 19 9					
" Leitrim,		38	16	7	17 14 5					
" Limerick,		74	18	10	—					
" Mayo,		469	11	0	351 5 9					
" Sligo,		84	9	0	126 17 4					
" Roscommon,		153	15	8	—					
" Tipperary,		105	1	9	—					
		2,900	7	6	2,568 14 3			5,467 1 9		
13. SINKER ACCOUNTS:—										
Blackrock Road, Loan from H.M. Exchequer,		5,100	0	0						
" Sale of Plant,		11	7	0						
Linen Hall Rents,		—			5,118 7 7					
Globe Loans Insurance, Premiums received,		—			435 0 3					
Carragh of Kildare, Rents,		—			85 19 8					
House of Industry Hospitals,		—			69 11 6					
Board of Admiralty,		—			21 12 6					
Island Bridge Waterworks,		—			57 4 6					
Suspense,		—			12 2 6					
					847 10 0			6,645 8 7		
								41,644 10 7		

Office of Public Works, Dublin, 2nd May, 1877.

of PUBLIC WORKS in the Year ended 31st March, 1877.

SERVICES—continued.

EXPENDITURE.		£	s.	d.	£	s.	d.	£	s.	d.
Brought forward, . . .		—	—	—	—	—	—	13,087	2	1
6. INLAND NAVIGATIONS:—										
Shannon Navigation:—										
Maintenance and Repairs of Works, &c., . . .		2,112	11	3						
Salaries (including pay of Inspectors, Collectors, Lock-keepers, &c.) and Lookers, . . .		1,346	18	8						
Boynes Navigation:—					3,459	9	8			
Maintenance and Repairs of Works, &c., . . .		202	12	11						
Salaries of Collectors and Lock-keepers, . . .		182	15	5						
					392	8	4			
7. ARTERIAL DRAINAGE AND NAVIGATION MAINTENANCE, 29 & 30 Vic., c. 43:—								3,851	18	0
Via, c. 43:—										
Borris-in-Osney District, . . .		—			811	16	9			
Monlavin, . . .		—			173	15	8			
Ballinacorney and Ballyconnell Navigation, . . .		—			180	0	0			
Gleadow, . . .		—			405	5	10			
Longhams, . . .		—			7	0	6			
Hind River, . . .		—			3	10	11			
								1,531	9	8
8. RIVER DRAINAGE WORKS, 5 & 6 Vic., c. 89:—								7	0	3
Lough Neagh, County Cavan, &c., . . .		—			—					
9. WHARFAGE BRIDGES:—										
Maintenance and Repairs, . . .		—			291	9	5			
Salaries, &c., of Superintendent and Collectors, . . .		—			203	0	6			
Repaid to Her Majesty's Exchequer, . . .		—			533	19	1			
								1,028	15	0
10. ARTERIAL DRAINAGE:—										
Salary and Incidents, . . .		—			20	18	6			
Paid to Her Majesty's Exchequer, . . .		—			500	0	0			
								520	18	6
11. NATIONAL MONUMENTS, 32 & 33 Vic., c. 42:—										
Maintenance Account:—										
Salary and Travelling Expenses of Architect, and Incidents, . . .		—			248	5	5			
Preservation Account:—										
Beck of Cuckoo—Repairs, &c., . . .		418	1	9						
Gleadow, do., . . .		723	10	0						
Ardsmore, do., . . .		12	11	4						
Ardsfert, do., . . .		567	18	4						
Monasterboice, do., . . .		381	10	2						
Derryish, do., . . .		40	14	11						
					2,184	6	6			
12. LIVER REDEMPTIVE LOAN FUND, 31 & 38 Vic., c. 86:—								2,402	11	11
County Redemption—Invested in purchase of Stock, . . .		94	0	0						
County Tipperary, do., . . .		94	0	0						
					188	0	0			
County Clare—Loans to Fishermen, . . .		—			437	0	0			
County Cork, do., . . .		—			600	0	0			
County Galway, do., . . .		—			1,144	0	0			
County Kerry, do., . . .		1,579	0	0						
Refund of Over-payment and Law Costs, . . .		6	4	8						
					1,585	4	8			
County Leitrim—Loans to Fishermen, . . .		—			30	0	0			
County Mayo, do., . . .		—			731	0	0			
County Sligo, do., . . .		144	0	0						
Law Costs, . . .		0	10	0						
					144	10	0			
13. SINKING ACCOUNTS:—								4,919	14	8
Blackrock Road, Repairs, . . .		—			5,089	18	9			
Grants, 1 & 2 Wm. IV., Repaid H.M. Exchequer, . . .		—			361	8	11			
Liver Hall, Essex, Salaries, &c., . . .		178	11	10						
Transfer to Her Majesty's Exchequer, . . .		280	0	0						
					498	11	10			
Glebe Loans, Insurance, Premiums paid, . . .		—			107	5	6			
Corragh of Kildare, . . .		—			76	6	3			
House of Industry Hospital, . . .		—			78	5	7			
Board of Admiralty, . . .		—			87	4	6			
Island Bridge Waterworks, . . .		—			26	2	9			
Suspense, . . .		—			139	14	10			
								6,387	13	11
								33,707	2	0
Balance, . . .		—						7,937	8	7
								41,644	10	7

W. R. SOADY, Accountant.

F

(A 6).—ABSTRACT of LOANS made by the COMMISSIONERS of PUBLIC WORKS, classified, showing the Total Issues and Repayments

SERVICES, &c.	Total Issues to 31st March, 1877.	REPAYMENTS to 31st March, 1877.			
		Principal.		Interest.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
I. PUBLIC WORKS LOAN FUND, ISSUED, 1 & 2 Wm. IV., c. 33.—					
1. Grand Jurors of Counties, { Making and Improving Roads, Quays, &c., }	602,243 3 8	613,114 12 10	35,806 3 8		
2. Do. { Making and Improving Roads, &c., and for Bailiff Works, 2 Vic., c. 1, }	226,340 19 11	69,671 18 1	18,666 3 2		
3. Local Boards, { For Improving Town- ships, &c., }	14,700 0 0	2,315 0 0	1,311 6 4		
4. Roads and Bridges, { For Roads, Bridges, &c., }	43,700 0 0	30,878 8 1	18,817 0 0		
5. Inland Navigation, { Improvements, }	69,950 0 0	14,603 1 3	61,401 13 3		
6. Public Buildings, { Erection and Completion of Works, }	35,000 0 0	33,046 2 1	6,825 14 2		
7. Maynooth College, { Additions and Improve- ments, }	18,642 10 0	2,735 0 10	3,110 14 5		
8. Railways, { In aid of Construction, }	228,150 0 0	167,200 0 0	69,775 1 6		
9. Quarries, Mines, &c., { In aid of sundry Works, }	14,330 0 0	14,330 0 0	3,043 4 8		
10. Ecclesiastical Commissioners, { Per 6 & 7 Wm. IV., c. 106, }	100,000 0 0	100,000 0 0	42,463 11 1		
11. Harbours, Docks, &c., { In aid of Construction, }	198,330 0 0	54,233 1 3	141,664 7 9		
12. Fishery Piers and Harbours, { Act 9 Vic., c. 3, }	50,001 1 11	42,519 16 2	3,375 13 6		
13. Labourers' Dwellings in Towns, { Act 20 & 21 Vic., c. 44, }	29,255 0 0	638 1 6	1,321 7 0		
14. Globe Loans, { Act 33 & 34 Vic., c. 112, }	142,028 13 4	5,291 12 10	3,892 16 9		
15. Public Health, { Act 27 & 28 Vic., c. 93, }	141,545 0 0	3,810 10 3	4,381 19 3		
16. Exchequer Bills issued and afterwards sold, }	2,700 0 0	2,700 0 0	261 14 7		
17. River Drainage and Navigation, { Act 5 & 6 Vic., c. 80, }	2,062,663 7 3	749,123 5 8	772,832 1 2		
18. River Drainage Maintenance, { Act 29 & 30 Vic., c. 39, }	16,361 7 6	4,061 10 3	1,897 15 4		
19. River Drainage, { Act 24 & 25 Vic., c. 88, }	202,436 4 1	26,714 1 9	23,264 18 9		
Total Public Works Loan Fund, }	4,389,132 7 8	1,928,205 2 0	1,269,820 13 4		
II. EMPLOYMENT OF LABOURING POOR, { Act 10 Vic., c. 107, &c., }	4,797,648 12 1	502,700 13 10	87,279 14 2		
III. SHANNON NAVIGATION, { Act 2 & 3 Vic., c. 61, }	294,030 0 0	251,433 7 2	48,460 0 9		
IV. IMPROVEMENT OF LANDS, { Act 10 Vic., c. 32, &c.,— For Drainage, Farm Buildings, Labourers' Dwellings, } Planting for Shelter, Scotch Mills, &c., }	2,723,442 4 4	1,797,949 4 6	798,611 13 1		
V. LAND ACT, { Act 33 & 34 Vic., c. 46— Advances to Tenants to purchase their Holdings, }	337,938 13 0	17,197 12 3	53,272 10 8		
Total, }	12,662,371 17 1	4,527,276 0 9	2,234,844 12 0		

Office of Public Works, Dublin, 2nd May, 1877.

Issues and Repayments to the 31st March, 1877, the Amounts remitted, and Balances outstanding; also the within the Year.

	Amounts Remitted.	BALANCES outstanding, 31st March, 1877.		Issued within the Year.	REPAYMENTS within the Year.	
		Principal.	Interest.		Principal.	Interest.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1	—	49,128 10 10	—	8,978 12 0	4,354 19 9	1,286 4 5
2	166,678 1 10	—	—	—	—	—
3	—	12,335 0 0	34 15 4	3,550 0 0	1,500 0 0	504 10 2
4	2,971 11 11	9,880 0 0	5,513 12 1	—	—	590 0 0
5	—	55,548 18 2	14,242 13 10	—	200 0 0	1,358 5 9
6	1,903 17 11	—	—	—	—	—
7	15,607 9 2	—	—	—	—	—
8	—	120,209 0 0	1,283 13 9	55,138 0 0	—	3,506 0 5
9	—	—	—	—	—	—
10	—	—	—	—	—	—
11	68,186 3 2	75,330 15 6	7,626 7 10	—	1,573 4 1	2,400 17 4
12	—	7,071 5 9	—	9,555 13 4	723 17 5	203 14 1
13	—	26,416 13 6	—	18,795 0 0	207 3 0	457 16 8
14	—	136,737 0 6	—	33,571 0 0	2,073 1 2	3,683 8 9
15	—	137,732 9 7	—	44,443 0 0	3,059 12 7	3,763 14 4
16	—	—	—	—	—	—
17	1,196,795 12 3	136,134 9 4	167 17 3	—	32,038 5 8	6,923 2 7
18	—	12,239 17 3	14 18 8	1,583 13 6	1,664 9 1	633 11 10
19	—	235,712 2 4	290 10 2	42,490 0 0	3,634 0 2	4,741 7 7
	1,442,442 16 4	1,018,434 8 4	29,214 10 11	508,961 9 10	43,235 9 11	28,930 18 11
	4,294,947 18 3	—	—	—	—	—
	—	12,638 12 10	—	—	—	—
	—	925,772 19 10	—	121,403 0 0	45,833 2 7	27,418 4 11
	—	346,751 0 9	—	74,206 0 0	4,617 8 0	11,263 6 7
	5,737,290 14 7	2,597,603 1 5	29,214 10 11	466,672 3 10	103,629 0 5	47,674 5 5

W. B. BOARD, Accountant.

DRAINAGE—5 & 6 Vic., c. 89.

thereon, for the Year ending 31st March, 1877.

Total Amount of Expenditure, for all purposes.	First Grants and Donations.	Portion of Total Expenditure charged to Special Local Public Works.	Portion of Total Expenditure charged on Loans.	Total (for March, 1877).	Repayments.			Residue.
					Total (for March, 1877).	For year ended 31st March, 1877.	Total.	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
22,269 0 0	11,064 8 4	1,305 0 1	0,000 12 0	14,438 1 5	-	-	14,438 1 5	Arles.
4,364 5 10	513 13 1	800 10 9	3,000 0 0	4,446 17 1	-	-	4,446 17 1	Armagh.
13,125 20 8	-	1,839 18 8	10,276 0 0	16,179 18 8	-	-	16,179 18 8	Blackwater.
18,038 37 11	6,900 17 11	529 0 0	4,500 0 0	9,828 10 9	295 10 3	9,633 7 0	9,633 7 0	Blackstone.
28,000 5 1	9,040 8 6	970 10 0	16,000 0 0	15,189 13 7	-	-	15,189 13 7	Borris-in-Geoghy.
54,960 11 9	20,000 0 0	5,124 10 10	29,836 18 2	36,715 0 2	1,440 17 4	37,155 17 6	37,155 17 6	Boynes.
846 12 4	-	41 0 2	807 12 2	1,181 13 0	-	-	1,181 13 0	Bolton.
107,637 8 8	68,117 8 8	-	29,540 0 0	64,000 13 10	6,514 10 7	47,500 0 8	47,500 0 8	Brosna (Various div.)
3,835 8 2	410 0 10	184 17 4	3,000 0 0	4,345 8 8	185 16 4	4,309 7 0	4,309 7 0	Ballynary.
7,644 17 1	-	868 1 3	7,870 8 4	11,718 13 8	235 4 30	11,483 17 0	11,483 17 0	Ballynashilly.
1,082 0 10	-	184 1 3	1,266 8 7	1,089 10 8	-	-	1,089 10 8	Ballynashilly.
43,000 15 8	24,000 0 0	68 9 0	18,932 15 8	43,900 18 3	868 0 0	43,032 18 3	43,032 18 3	Ballynashilly.
789 0 2	-	87 0 10	642 13 4	809 10 8	-	-	809 10 8	Ballynashilly.
1,341 10 0	208 8 8	135 15 6	908 0 0	1,781 1 1	-	-	1,781 1 1	Ballynashilly.
2,080 14 2	700 14 7	180 10 7	1,300 0 0	1,750 8 8	-	-	1,750 8 8	Ballynashilly.
1,167 4 7	-	93 14 0	1,074 10 4	1,071 10 0	-	-	1,071 10 0	Ballynashilly.
4,101 8 8	-	697 19 10	3,404 0 0	3,938 14 0	-	-	3,938 14 0	Ballynashilly.
3,325 11 7	-	187 4 1	3,000 7 9	3,188 8 7	-	-	3,188 8 7	Ballynashilly & Dunderland.
12,213 15 2	11,507 0 0	730 3 11	3,000 0 0	4,730 17 0	104 3 7	4,834 0 7	4,834 0 7	Ballynashilly.
4,010 7 2	-	508 17 7	4,268 9 8	4,625 2 11	-	-	4,625 2 11	Ballynashilly.
226,681 10 5	196,681 19 8	30,000 0 0	-	50,000 0 0	-	-	50,000 0 0	Ballynashilly.
60,700 2 7	20,500 0 0	2,308 5 1	38,113 8 8	60,420 4 2	1,279 18 8	61,699 13 0	61,699 13 0	Ballynashilly.
20,079 0 11	-	1,808 18 8	24,000 11 2	25,179 0 0	-	-	25,179 0 0	Ballynashilly.
4,325 14 11	1,070 3 3	45 11 4	3,200 0 0	3,698 14 5	-	-	3,698 14 5	Ballynashilly.
36,000 8 2	6,700 8 2	200 0 0	7,100 0 0	8,140 22 1	453 18 10	8,593 8 11	8,593 8 11	Ballynashilly.
4,657 12 0	-	90 17 11	4,510 10 10	5,040 7 8	-	-	5,040 7 8	Ballynashilly.
11,704 5 10	-	30 1 0	11,706 4 7	9,028 1 3	-	-	9,028 1 3	Ballynashilly.
8,800 7 11	-	-	5,023 7 11	8,344 16 11	-	-	8,344 16 11	Ballynashilly.
3,597 8 4	789 13 9	108 10 7	2,744 10 0	3,694 7 10	-	-	3,694 7 10	Ballynashilly.
9,475 7 10	-	141 3 3	9,334 2 7	9,256 14 12	-	-	9,256 14 12	Ballynashilly.
285 5 7	88 18 8	26 3 4	200 0 0	341 10 0	-	-	341 10 0	Ballynashilly.
1,708 4 4	1,430 3 8	11 15 7	997 7 7	330 13 7	-	-	330 13 7	Ballynashilly.
368 15 8	288 18 8	16 8 10	48 5 11	139 8 4	-	-	139 8 4	Ballynashilly.
902 13 8	-	268 13 1	614 0 4	689 18 8	-	-	689 18 8	Ballynashilly.
607 10 10	-	34 18 8	608 10 7	614 11 2	-	-	614 11 2	Ballynashilly.
706 10 1	207 0 0	0 7 1	486 0 0	640 10 7	-	-	640 10 7	Ballynashilly.
2,406 14 3	-	209 9 5	2,197 4 30	2,314 14 3	-	-	2,314 14 3	Ballynashilly.
28,282 9 6	13,406 11 11	90 17 7	9,800 9 0	13,897 11 1	472 4 4	14,369 15 5	14,369 15 5	Ballynashilly.
1,083 10 0	-	-	1,083 18 8	2,670 10 0	110 18 8	2,780 11 11	2,780 11 11	Ballynashilly.
1,004 5 9	-	-	1,364 5 6	1,677 18 8	-	-	1,677 18 8	Ballynashilly.
3,345 0 8	-	389 9 0	3,431 11 1	3,523 5 9	-	-	3,523 5 9	Ballynashilly.
7,308 19 6	1,806 13 1	613 9 0	4,900 0 0	7,499 17 4	361 8 1	7,860 0 5	7,860 0 5	Ballynashilly.
4,600 0 0	-	-	4,600 0 0	6,387 18 4	613 12 8	6,999 11 0	6,999 11 0	Ballynashilly.
400 1 2	30 1 2	-	308 0 0	611 2 7	1 13 7	612 16 0	612 16 0	Ballynashilly.

SCHEDULE.—ABSTRACT OF FINAL AWARDS, AND REPAYMENTS

Statute.	County.	Date when Award made.	Area of Claimant's Site Town.	Area of Flooded or Drained Land, which has been drained or improved. (Hundred Acres.)	Cost per Acre of the Drainage, including Interest, &c.	Amount in the Award, Lessing Value of these Lands, as set off by Drainage.	Amount of Repayment payable by the County, after deducting the Drainage.
Dunghess (Supplemental, 1865 April, 1866)	Westmeath and Longford.	26 Sept., 1852.	22,000	2,200 0 0	1 10 1	929 1 4	—
Doel,	Meath and Westmeath.	18 October, 1854.	54,000	4,400 0 0	4 3 0	1,054 0 0	—
Dunballa,	Galway,	7 Sept., 1857.	28,530	5,485 0 11	7 11 5	1,004 10 0	499 6 11
Derrylo,	Fermanagh,	29 Dec., 1850.	3,000	187 0 4	4 4 3	49 0 11	—
Drombarney,	Do.,	30 April, 1850.	1,600	134 0 0	8 8 7	55 13 6	—
Dromoff,	Sligo and Leitrim,	23 „ 1852.	14,204	647 0 11	5 18 11	307 11 1	64 10 5
Dromore,	Galway, Mayo, & Roscommon	25 „ 1853.	36,101	4,287 1 19	10 15 8	1,031 1 11	450 12 5
Dromore (Supplemental, 1864 September, 1865)	Sligo,	23 „ 1854.	7,000	881 0 25	5 4 13	306 10 4	—
Derryholman,	King's,	24 „ „	25,430	4,900 1 0	1 7 11	258 1 4	—
Elin,	Leitrim,	13 „ „	10,840	2,200 0 0	4 1 0	895 10 1	—
Ene (Sept., 1st July, 1854)	Leath,	20 Sept., 1851.	55,430	5,073 0 28	1 15 0	833 0 7	—
Fergus,	Clare and Galway,	30 October, 1850.	134,430	7,501 0 20	0 0 0	1,732 0 8	321 0 10
Fennell,	Kildare,	10 „ 1851.	2,800	810 1 34	9 11 2	253 1 12	—
Glyde (Leath, Meath,	Leath, Meath, Carrow, and Monaghan,	27 „ 1853.	174,813	6,709 0 38	0 11 11	1,004 17 0	—
Gorteen,	Kildare,	14 June, 1850.	5,170	1,400 0 13	2 7 0	476 0 3	—
Gort,	Do.,	1 October, 1850.	2,600	644 0 31	3 13 8	289 10 8	—
Glasneff (Red Bay),	Astoria,	20 „ 1851.	2,700	630 0 30	0 7 2	314 10 4	85 0 5
Gratford,	Leitrim,	14 Sept., 1850.	3,520	556 1 30	5 0 8	164 10 0	—
Hind River (Swatara,	Roscommon,	18 July, 1851.	16,930	3,060 0 23	5 11 5	703 0 6	306 7 11
Herrings,	Kildare,	24 June, 1849.	600	150 1 23	1 15 5	39 15 11	—
Isop,	Longford and Westmeath,	23 October, 1850.	95,130	6,828 1 0	5 7 8	1,620 0 0	—
Kilnamock (Supplemental, 1864 Sept., 1865)	Wexford,	26 „ 1849.	5,033	388 1 13	18 5 0	702 0 1	—
Kilmer (Leath,	Galway,	28 March, 1856.	—	5,314 3 15	0 0 1	1,099 13 1	431 39 4
Kilmer (Supplemental, 1856 March, 1857)	Do.,	—	—	1 2 0	—	—	1 0 7
Kilnagga (Leath,	Meath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000	1,150 0 50	0 10 0	222 12 3	—
Kilnagga (Leath,	Westmeath and King's,	13 October, 1857.	60,000	5,400 0 15	5 0 0	973 0 0	—
Kilnagga (Meath,	Do.,	—	—	15 3 4	—	—	—
Kilnagga (Supplemental, 1856 March, 1857)	Sligo,	20 April, 1851.	10,000</				

thereon, for the Year ending 31st March, 1877—continued.

Total Amount of Expenditure, for all purposes.	Free Grants and Donations.	Portion of Total Expenditure allocated to Capital for Public Works.	Portion of Total Expenditure allocated to Localities.	Total	Expenditure.			District.
					Total	For 1876 ending 31st March, 1877.	Total.	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
30,287 1 36	5,221 9 4	615 12 0	5,000 0 0	—	30,287 6 2	—	30,287 6 2	Dungannon.
33,730 12 7	4,964 12 0	5,099 27 4	13,769 0 0	—	33,731 57 4	—	33,731 17 4	Dun.
42,529 12 0	20,753 5 2	522 0 7	25,548 0 0	44	30,486 10 4	667 9 7	31,153 2 13	Droghda.
787 14 8	487 15 4	—	300 0 0	—	589 10 5	—	800 11 5	Droghda.
323 0 0	—	—	323 0 0	—	454 0 0	—	454 0 0	Dromahaire.
4,000 7 0	—	964 7 6	3,616 0 3	70	5,066 3 1	240 8 1	5,344 11 2	Dromahaire.
33,908 10 10	37,139 8 9	1,743 10 1	19,900 0 0	45	26,287 10 5	1,817 8 7	13,664 18 0	Dromahaire.
4,333 15 6	1,382 14 3	139 0 10	3,301 0 9	—	4,780 5 6	—	4,780 5 6	Dromahaire.
7,130 4 6	—	427 20 7	6,708 7 13	—	6,839 10 1	—	6,839 10 1	Dromahaire.
11,366 0 0	—	577 10 2	10,778 10 1	—	14,450 4 7	—	14,450 4 7	Falls.
4,135 15 6	1,066 0 0	326 0 1	6,610 15 2	—	33,200 3 1	—	33,200 3 1	Falls.
63,620 6 8	46,677 7 0	423 1 8	54,800 0 0	44	35,369 15 8	4,700 4 10	38,782 0 1	Falls.
3,125 1 8	—	67 8 7	3,607 19 1	—	5,024 4 0	—	5,024 4 0	Falls.
47,180 17 13	29,528 39 39	3,660 0 0	22,800 0 0	—	54,138 47 0	—	54,138 17 5	Falls.
3,380 4 11	—	229 18 4	3,390 14 7	—	4,307 1 0	—	4,307 1 0	Falls.
3,350 11 8	—	250 19 0	3,411 0 2	—	5,368 4 0	—	5,368 4 0	Falls.
3,340 4 4	—	—	3,340 4 1	26	4,707 19 11	100 0 11	4,810 5 10	Falls.
1,000 10 0	—	87 10 0	913 2 0	—	1,290 0 12	—	1,406 0 11	Falls.
44,102 17 2	9,640 17 1	1,410 16 1	30,689 0 0	44	18,318 17 7	680 14 0	15,600 11 7	Falls.
388 38 1	—	15 5 10	273 10 2	—	414 0 9	—	414 0 0	Falls.
34,200 2 3	48,466 10 7	521 4 6	54,000 0 0	—	18,738 10 2	3 10 0	18,760 17 0	Falls.
9,038 15 7	2,000 0 0	—	7,838 15 7	—	20,345 0 1	—	10,343 0 1	Falls.
25,048 17 30	21,230 10 8	1,207 1 7	31,069 0 0	44	31,480 8 9	1,203 11 2	32,703 15 11	Falls.
13,000 10 1	5,747 0 0	242 4 13	7,990 0 0	40	30,647 2 5	28 7 9	30,676 10 2	Falls.
20,358 8 7	19,080 0 4	—	8,760 10 0	—	30,713 8 2	—	13,710 10 2	Falls.
6,528 8 2	3,785 14 8	332 8 9	4,800 0 0	—	5,907 17 4	—	5,907 17 4	Falls.
589 10 0	—	52 14 2	582 18 6	—	1,280 0 0	—	1,280 0 0	Falls.
5,709 4 7	1,700 4 7	—	1,000 0 0	—	1,280 10 7	—	1,280 10 7	Falls.
1,860 0 9	21 0 6	17 14 0	1,881 0 5	—	2,689 11 0	—	2,689 11 0	Falls.
844 10 4	—	—	844 10 4	—	328 0 30	—	328 0 30	Falls.
10,884 12 39	9,647 4 0	227 7 10	7,000 0 0	48	9,740 11 0	308 10 0	9,908 7 4	Falls.
70,589 8 2	6,162 3 13	229 9 8	4,800 0 0	44	6,560 10 0	341 0 0	6,700 10 0	Falls.
4,110 18 1	1,907 11 3	152 7 11	3,600 0 0	—	2,762 4 0	—	2,762 4 0	Falls.
44,694 10 7	24,209 2 7	1,029 31 0	11,300 0 0	44	35,709 9 6	1,099 10 9	36,807 2 8	Falls.
5,244 10 0	440 10 0	55 0 0	1,600 0 0	—	1,750 12 8	—	1,750 12 8	Falls.
580 14 0	—	9 0 0	604 0 0	—	580 16 8	—	580 16 8	Falls.
94,797 4 8	14,111 6 4	35 18 4	10,000 0 0	44	15,244 2 6	689 18 9	15,934 1 5	Falls.
111,771 10 0	74,704 0 9	1,122 10 7	25,072 0 0	44	41,662 10 8	2,364 4 8	44,026 15 4	Falls.
4,207 7 4	5,779 7 4	94 0 0	1,500 0 0	—	2,637 10 11	—	2,637 10 11	Falls.
126,774 30 4	68,677 17 30	87,000 12 0	—	—	87,000 12 0	—	87,000 12 0	Falls.
126,774 30 4	40,001 10 9	5,243 14 0	116,000 0 0	44	87,071 5 9	2,978 10 8	164,344 1 0	Falls.
257 17 10	—	—	257 17 10	44	—	—	—	Falls.

SCHEDULE.—ABSTRACT OF FINAL AWARDS, and Repayments

District.	Comtee.	Date when Award made.	Area of Contaminated or Damaged Land.	Area of Polluted or Impaired Land, which has been found to be so by the Local Sanitary Authorities.	Cost per acre of the Damage, including Interest, &c.	Decrease in the Annual Renting Value of these Lands, caused by the Damage.	Amount of Repayment payable Half-yearly, after deducting the Renting Value.
Leamington	Monaghan	30 Dec., 1855.	11,368	988 2 27	£ 1. 4. 0	222 13 8	84 9 11
Lough Carr.	Meath	15 Oct., 1853.	3,780	483 0 34	£ 5. 6. 1	140 4 8	53 7 4
Lough Dala (Supplemental, 1855 October, 1844).	Mayo	20 " "	4,800	963 0 10	£ 12. 10. 0	201 16 8	" -
Lansly.	Galway	27 " 1855.	55,590	1,949 2 0	£ 7. 19. 5	304 0 8	152 27 12
Lough Mask Navigation, and River Slane Drainage.	Mayo and Galway	14 Jan., 1858.	205,000	5,006 0 23	£ 10. 10. 5	600 16 9	226 4 9
Lough Corrib Navigation, and Drainage, and New Ferry.	County of the Town of Galway, and Counties of Mayo and Sligo.	30 June, 1853. 20 Sept., " 4 April, 1856.	780,080	2,205 4 4 58 8 19	£ 22. 10. 10 " -	1,861 4 3	718 9 4 284 11 8
Lisakeil.	Galway	15 October, 1853.	9,400	408 1 11	£ 2. 2. 0	112 15 8	47 9 8
Lough Lannagh.	Mayo	7 April, 1857.	21,440	1,250 2 3	£ 0. 10. 0	341 10 8	315 14 12
Mayno (Supplemental, 1855 April, 1855).	Do.	28 October, 1855.	6,000	1,240 2 14	£ 7. 8. 3	333 5 4	" -
Midway (Supplemental, 1855 October, 1851).	Do.	30 April, "	2,030	840 0 12	£ 3. 10. 4	117 0 1	" -
Mill and Tansburgh.	Co. Wick.	19 " 1856.	20,282	250 1 20	£ 5. 2. 0	94 24 2	" -
Millers (Supplemental, 1855 January, 1855).	Mayo	28 October, 1855.	400	74 0 13	£ 4. 9. 8	20 11 1	" -
Millers.	Down	30 " 1851.	10,000	309 1 21	£ 3. 11. 0	147 0 5	" -
Moyna and Greenagh (Supplemental, 1855 October, 1851).	Mayo	20 April, 1855.	000	35 1 32	£ 7. 0. 11	93 20 10	" -
Monro.	Galway	24 " 1857.	51,000	1,481 0 0	£ 10. 11. 7	365 7 4	79 10 7
Nether.	Meath	28 Sept., 1851.	40,000	1,217 1 2	£ 3. 11. 11	585 20 9	" -
Oswald (Supplemental, 1855 February, 1857).	Galway	5 April, 1845.	000	874 0 16	£ 3. 15. 7	333 30 1	" -
Oswald (Supplemental, 1855 March, 1855).	Mayo	30 October, 1855.	0,000	270 0 22	£ 3. 1. 0	224 1 0	" -
Oswald.	Co. Wick.	30 April, "	15,700	332 0 15	£ 2. 1. 4	99 9 30	" -
Qeen.	Clare	30 October, 1854	27,120	4,302 0 20	£ 4. 8. 1	1,023 15 3	581 10 0
Red Bog.	Meath	8 Sept., 1841.	5,000	341 0 8	£ 2. 14. 4	75 5 3	" -
Rath, or Clonsilla (Supplemental, 31st March, 1854).	Longford and Westmeath.	20 " 1852.	15,000	1,157 0 20	£ 5. 4. 10	462 16 10	" -
Rathmogh.	Co. Wick.	15 October, 1853.	2,780	324 1 0	£ 3. 11. 0	87 7 11	33 4 7
Rine and Blackriver.	Leitrim and Longford.	20 April, 1854.	74,000	4,485 0 20	£ 0. 10. 10	1,076 8 2	403 17 4
Strickstown.	Down	11 July, 1855.	70,000	7,476 0 21	£ 5. 8. 6	1,794 17 10	574 8 0
Sticks.	Mayo and Galway.	15 April, 1857.	27,000	5,207 0 5	£ 9. 4. 10	415 19 10	108 24 9
Sticks (Supplemental, 1st March, 1855).	King's and Tipperary.	25 " 1855.	25,640	1,358 3 7 3 1 0	£ 0. 0. 13 " -	424 10 7	" - 4 0 10
Shandon.	Wexford.	15 October, 1854.	180	43 0 15	£ 15. 4. 10	57 8 1	" -
Shandon.	Mayo	30 April, 1855.	750	102 1 20	£ 5. 7. 7	Fair off.	" -
Shandon (Supplemental, 2nd March, 1855).	Wexford.	20 " 1853.	14,000	1,833 0 10	£ 4. 4. 10	660 0 5	" -
Shandon (Award shandon, 1855 April, 1855).	Mayo.	30 April, 1851.	8,250	900 2 14	£ 3. 4. 11	232 0 20	35 9 10
Shandon (Supplemental, 2nd April, 1855).	Galway.	20 June, 1855.	470,480	5,250 2 26	£ 7. 5. 7	1,645 2 9	073 17 8
Shandon (New award) 1855.	Tipperary.	1 July, 1854.	20,000	1,284 0 21 5 5 0	£ 4. 7. 3 " -	1,243 0 20	" - " -
Shandon (Supplemental, 21st March, 1855).	Mayo	28 October, 1853.	2,800	324 1 0	£ 4. 6. 1	82 10 10	" -
Shandon.	Meath	30 " 1850.	13,000	700 0 27	£ 3. 4. 10	217 15 8	" -
Shandon.	Long.	20 Sept., 1851.	8,300	525 1 17	£ 2. 4. 7	96 15 8	" -
Shandon.	Co. Wick.	18 Feb., 1857.	1,247	384 0 0	£ 10. 15. 7	500 0 0	" -
			0,355,250	105,750 2 4	Average, 0. 11. 4	74,508 7 2	" -

a The Charges on these Districts have expired.

Office of Public Works, Dublin, 2nd May, 1877.

Account, for the Year ending 31st March, 1877—continued.

Total Amount of Expenditure, for all purposes.	Post Office and Remittances.	Portion of Total Expenditure charged to Creditors for Public Works.	Portion of Total Expenditure charged on Loans.	Total Expenditure, for all purposes, for the Year ending 31st March, 1877.	Expenditure.			Districts.
					Total 31st March, 1877.	For year ending 31st March, 1877.	Total.	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
8,802 0 0	5,683 16 9	247 11 5	5,000 0 0	44	4,753 9 10	159 1 7	4,912 10 7	Leedsborough.
5,703 19 8	—	107 16 6	5,596 1 2	73	5,489 25 1	104 7 9	5,593 3 10	Lough Chew.
9,836 11 9	271 9 11	191 1 10	9,374 0 0	—	9,393 9 3	—	9,393 9 3	Lough Dalia.
35,826 8 8	11,106 17 0	970 11 8	4,990 0 0	41	5,980 11 9	325 8 5	6,305 19 11	Leedsly.
3,715 4 10	9,713 4 10	—	—	—	—	—	—	—
63,694 11 7	51,794 8 5	1,419 8 0	19,900 0 0	60	13,485 3 2	508 8 10	14,000 6 0	Lough Mask & River Eaba.
10,180 10 4	87,408 16 4	14,883 0 0	—	—	14,883 0 0	—	14,883 0 0	Lough Cor. Navigation, &c. (Mack, & Co. & Carr, & Mill Power.
15,034 0 9	120,312 8 2	2,011 3 4	25,403 0 0	54	44,973 0 2	5,180 10 1	50,153 10 3	
30,936 18 9	—	—	11,906 13 0	43	—	—	—	
1,645 15 11	—	—	1,645 15 11	52	5,988 19 10	64 15 0	6,052 14 10	Lisake.
13,443 7 4	35,859 8 8	1,326 0 8	4,102 0 0	00	5,728 13 8	210 11 5	5,938 4 3	Lough Lannagh.
9,794 1 2	3,724 1 5	1,069 19 9	4,000 0 0	—	6,027 8 10	—	6,027 8 10	Moyar.
865 13 0	243 9 5	154 5 7	608 0 0	—	608 0 0	—	608 0 0	Malabar.
1,369 5 3	—	69 18 0	1,398 9 0	—	3,071 11 8	—	3,071 11 8	Miles and Templebryan.
347 7 4	33 10 8	13 12 8	300 0 0	—	308 16 8	—	308 16 8	Malvern.
1,307 23 1	—	—	1,307 12 1	—	1,803 15 1	—	1,803 15 1	Malvern.
708 13 9	320 13 8	23 1 6	405 0 0	—	632 14 7	—	632 14 7	Moyar and Craggafoyle.
18,806 1 1	15,875 8 8	1,529 12 11	3,992 0 0	63	0,611 10 0	1,339 11 7	2,350 1 7	Merriv.
7,304 2 4	—	680 17 11	7,003 8 5	—	10,980 18 8	—	10,980 18 8	Nelson.
3,871 16 6	1,081 0 0	180 16 8	3,690 0 0	—	4,050 12 0	—	4,050 12 0	Oreahill.
3,154 5 7	1,603 9 8	90 18 11	1,563 0 0	—	1,879 15 8	—	1,879 15 8	Owenslough.
1,277 7 5	—	70 11 7	1,300 15 6	—	1,870 16 1	—	1,870 16 1	Owenslough.
39,516 6 9	5,600 6 10	1,078 18 4	14,600 0 0	43	19,909 7 9	381 7 10	20,290 15 7	Quin.
964 10 11	—	66 19 11	930 0 0	—	1,347 14 0	—	1,347 14 0	Red Bog.
1,971 6 4	1,471 18 6	569 8 1	4,500 0 0	—	7,145 0 8	—	7,145 0 8	Rath, or Clonsilla.
826 7 11	—	—	826 7 11	89	1,808 18 0	20 7 6	1,828 5 6	Rathfriland.
35,706 11 1	10,475 10 10	2,279 14 3	15,000 0 0	45	19,227 0 3	821 19 8	20,048 5 11	Ross and Blackfriars.
41,097 6 1	29,608 0 9	1,858 5 5	21,841 0 1	41	20,170 15 3	1,155 9 2	21,325 17 5	Sandstown.
30,278 29 3	29,141 19 2	862 0 1	7,000 0 0	00	8,567 8 8	470 0 8	9,037 11 8	Shirale.
5,081 2 8	3,734 13 10	434 9 11	5,000 0 0	—	1,054 18 4	9 8 2	1,063 7 6	Shirale.
1,030 12 0	—	279 0 0	1,030 12 0	—	1,303 2 6	—	1,303 2 6	Shirale.
718 16 2	—	—	718 16 2	—	977 8 9	—	977 8 9	Shirale.
6,820 0 0	1,669 16 4	415 12 11	6,500 0 0	—	9,006 7 4	—	9,006 7 4	Sew.
3,741 5 4	3,833 18 11	857 15 8	—	—	857 15 8	—	857 15 8	Shirale.
3,070 13 11	496 15 0	126 18 6	2,441 0 0	28	3,373 17 9	179 0 11	3,552 18 0	Solea Lough.
40,826 9 1	36,708 18 11	1,180 10 2	35,528 0 0	45	31,788 14 8	1,667 0 0	33,455 14 8	Thurloghstown.
15,999 15 6	7,030 12 8	1,096 5 8	7,000 0 0	—	11,280 15 3	—	11,280 15 3	Templemore.
1,784 0 10	178 0 8	355 12 4	1,600 0 0	—	1,438 14 10	—	1,438 14 10	Terravongham.
1,784 0 0	—	380 17 7	1,403 8 0	—	2,481 17 8	—	2,481 17 8	Widdowstown.
1,102 13 0	—	84 17 7	1,018 15 3	—	1,009 0 8	—	1,009 0 8	Widdowstown.
34,806 3 7	18,890 2 7	—	7,000 0 0	—	8,157 19 7	—	8,157 19 7	Youghal.
2,206,618 12 4	1,337,608 12 8	102,150 12 8	666,540 7 5	—	1,849,797 8 6	30,069 5 3	1,879,866 13 9	

W. B. STANT, Accountant.

(A 8.) ARTERIAL DRAINAGE.—

These Works are executed under District Boards in

SCHEDULE.—ABSTRACT OF FINAL AWARDS, and Repayments

Districts.	Counties.	Date when Awards made final.	Area of Flooded or Injured Lands, which have been drained or improved, Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Sum due to the Annual Letting Value of these Lands, caused by Drainage.	Amount of Subsidies payable, half yearly, to every Cist, with Interest, after deducting Deductions.	At. of the Drainage, &c.
			A. R. P.	£ s. d.	£ s. d.	£ s. d.	
Adhoy River, . . .	Mouth, . . .	4th April, 1869, .	1,368 0 27	8 0 5	569 16 6	332 2 2	44
Ballinacourty, . . .	Limerick, . . .	2nd Oct., 1875, .	179 0 5	7 1 8	89 3 1	15 12 3	30
Ballynascreen, . . .	King's and Queen's, .	9th April, 1868, .	2,582 1 23	2 7 5	516 14 6	32 15 4	44
Baltrooy, . . .	Kildare, . . .	15th Mar., 1875, .	1,265 2 39	4 0 5	509 4 8	13 17 6	29
Bealnamag, . . .	King's, . . .	27th Mar., 1875, .	925 3 20	3 7 1	107 12 8	89 5 3	44
Brickey River, . . .	Waterford, . . .	29th Sept., 1875, .	920 1 30	5 4 3	297 2 1	14 19 9	29
Cannoge, . . .	Limerick, . . .	23th Sept., 1875, .	1,280 3 0	9 3 1	577 4 8	129 12 2	44
Clodagh River, . . .	Tipperary, . . .	30th May, 1873, .	1,637 1 4	4 3 7	398 6 7	8 17 4	29
Cornell, . . .	Kildare, . . .	19th Jan., 1876, .	747 2 0	5 6 5	171 12 2	6 16 0	29
Derrislogh, . . .	King's, . . .	8th Oct., 1874, .	622 6 30	3 0 5	143 15 4	56 3 3	44
Dooly, . . .	Limerick, . . .	9th Oct., 1873, .	409 2 22	6 2 7	143 9 2	19 3 8	29
Douglas River, . . .	Carlow, . . .	31st Mar., 1875, .	3,988 2 0	4 7 3	922 16 0	19 11 2	29
Elphin, . . .	Rooscommon, . . .	26th Mar., 1875, .	3,395 5 12	4 11 2	1,036 1 10	469 15 7	44
Franked River, . . .	King's, . . .	27th Mar., 1875, .	1,304 2 0	5 10 6	414 16 0	22 2 8	29
Gally, . . .	Queen's, . . .	4th Oct., 1873, .	1,564 0 10	4 4 11	242 15 9	8 18 9	29
Gally, Upper, . . .	Do. . . .	14th Mar., 1876, .	366 1 18	4 13 7	129 12 3	39 8 11	70
Inch Lake and Glace River, . . .	Mayo, . . .	2nd April, 1875, .	1,457 0 32	5 16 0	445 5 6	308 9 10	70
Kilmartilla, . . .	Tipperary, . . .	26th July, 1870, .	1,661 1 18	6 10 7	262 12 2	31 9 9	29
Parsonstown, . . .	Tipperary and King's, .	23th Sept., 1874, .	2,719 0 1	4 4 6	689 19 5	263 16 2	70
Quinagh, . . .	Carlow, . . .	19th Jan., 1876, .	680 3 0	5 13 5	208 1 5	81 5 7	44
Rathdowney, . . .	Queen's, . . .	9th Oct., 1868, .	418 1 39	6 6 1	189 0 4	84 18 1	44
Silver River, . . .	King's, Westmeath, .	8th Oct., 1875, .	1,669 2 30	8 12 8	215 16 9	6 6 7	29
Sixmilebridge, . . .	Clare, . . .	4th April, 1871, .	2,595 0 4	7 13 2	1,229 34 11	687 19 11	44
Turner River, . . .	Tyrone, . . .	3rd April, 1875, .	453 1 16	11 7 1	635 18 10	42 15 5	29
Total, . . .			83,883 0 11	—	10,270 7 7	5,197 0 1	—

ARTERIAL DRAINAGE WORKS in progress.

Inny, Upper, . . .	Mouth, Westmeath, Longford, Carlow, .	—	—	—	—	—	—
Kildare, . . .	Kildare, . . .	—	—	—	—	—	—
Lough Oughter, . . .	Carlow, . . .	—	—	—	—	—	—
Melkay, . . .	Limerick, . . .	—	—	—	—	—	—
Stoneyford, . . .	Mouth and Westmeath, .	—	—	—	—	—	—
Rathangan River, . . .	Kildare, . . .	—	—	—	—	—	—
River Bride and Kildare, .	Cork, . . .	—	—	—	—	—	—
Tory Hill, . . .	Limerick, . . .	—	—	—	—	—	—
Over Issues repaid, . . .			—	—	—	—	—
Total charge against Districts, . . .			—	—	—	—	—

Office of Public Works, Dublin, 2nd May, 1877.

26 & 27 Vic., c. 88, &c.

accordance with the Provisions of the above Act,
thereon, for the Year ending 31st March, 1877.

Expenditure, including interest, in debt of Amount.	Portion of Total Expenditure charged to Grants for Public Works.	Portion of Total Expenditure charged on Loans.	Repayment.			Districts.
			To 1st March, 1876.	For year ending 31st March, 1877.	Total.	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
11,141 16 2	—	11,141 16 2	4,797 8 2	726 4 4	5,481 12 0	Athboy River.
1,368 3 10	—	1,368 3 10	46 10 7	97 1 2	145 11 0	Ballinacorney.
5,975 9 1	—	5,975 9 1	2,917 14 11	268 16 6	3,286 11 5	Ballynacorney.
3,211 1 2	350 15 2	7,360 6 0	782 14 2	669 16 2	1,322 10 4	Balknacree.
3,107 2 4	—	3,107 2 4	534 7 3	180 7 0	714 14 3	Boolinacree.
4,323 12 0	—	4,323 12 0	1,584 9 1	245 1 8	1,829 10 4	Brickley River.
11,745 19 0	200 0 0	11,545 19 0	250 0 0	—	200 0 0	Carnage.
6,938 11 6	—	6,938 11 6	1,837 5 4	430 4 0	2,267 9 4	Clodagh River.
2,482 12 0	—	2,482 12 0	1,806 9 0	167 14 10	1,174 5 10	Cornell.
2,105 12 9	40 0 0	2,065 12 9	243 19 0	136 14 2	870 13 2	Derrinlough.
2,513 6 0	—	2,513 6 0	762 5 2	131 12 6	893 17 8	Doohyle.
13,653 6 8	190 0 0	13,478 6 8	975 18 4	804 8 2	1,779 6 6	Douglas River.
15,940 17 0	468 0 0	15,482 17 0	4,644 17 9	1,029 14 9	5,665 12 6	Elphin.
6,746 8 4	80 0 0	6,666 8 4	484 18 2	604 18 2	389 16 4	Frankford River.
4,517 11 6	—	4,517 11 6	756 0 10	368 0 4	1,057 1 2	Gully.
2,447 15 2	70 0 0	2,377 15 2	70 0 0	51 17 7	121 17 7	Gully, Upper.
8,794 13 7	215 0 0	8,489 13 7	575 9 10	416 19 8	990 0 6	Inland Lakes and Glens River.
10,380 7 8	—	10,380 7 8	4,437 0 8	666 1 8	3,125 2 4	Kilmanilla.
11,080 17 1	160 0 0	11,349 17 1	1,762 14 5	311 10 6	2,314 4 11	Parsonstown.
2,800 18 8	—	2,800 18 8	975 7 0	102 11 2	1,187 18 2	Quinagh.
2,648 6 3	—	2,648 6 3	1,228 6 6	169 16 2	1,368 2 8	Rathdowney.
3,971 2 9	—	3,971 2 9	1,420 13 11	238 6 2	1,679 0 1	Silver River.
20,238 18 11	424 1 6	19,804 18 5	6,990 7 0	1,267 5 2	8,235 12 8	Simsbridge.
5,523 1 6	187 10 0	5,144 11 6	663 9 2	351 11 4	317 0 6	Terront River.
169,593 7 5	2,345 6 10	166,930 0 7	39,353 6 9	9,561 12 9	48,914 19 8	

showing the Issues made to 31st March, 1877.

46,800 0 0	—	—	—	—	—	Isny, Upper.
6,000 0 0	—	—	—	—	—	Kildare.
11,000 0 0	—	—	—	—	—	Lough Oughter.
20,000 0 0	—	—	—	664 1 0	665 1 0	Mulken.
10,800 0 0	—	—	—	—	—	Sconeyford.
1,900 0 0	—	—	—	—	—	Rathagna River.
1,500 0 0	—	—	—	—	—	River Bride and Killes.
8,000 0 0	—	—	—	—	—	Tory Hill.
200 0 0	—	—	—	—	200 0 0	Over Issues repaid.
275,293 7 5	—	—	39,353 6 9	10,425 13 9	49,778 0 6	

W. B. SOADY, Accountant.

APPENDIX B.

Report of Mr.
Robert Manning, M. Inst.
C.E., Chief
Engineer.

INLAND NAVIGATIONS AND HARBOURS.

REPORT OF MR. ROBERT MANNING, M. Inst. C.E., Chief Engineer, on PIERS AND HARBOURS. For the year ending 31st March, 1877.

Office of Public Works,
30th April, 1877.

I beg to lay before the Board the report of the works in charge of the engineers' branch during the year ending 31st ult. :-

ROYAL HARBOURS.

Kingstown Harbour, County Dublin.

The works for the completion of the sea slope near the west pier-head, alluded to in my last annual report, were finished towards the end of the year 1876 in a very substantial manner. The sea face of the east pier did not require any repair, and, therefore, the expenditure during the year was mainly on the maintenance of the inner works of the harbour. The reconstruction of the "Wolf" jetty at the east pier was completed; the inner faces of the wharves and parapets were made good; satisfactory progress was made in erecting the new system of fenders and sheeting for the protection of the Mail Packet Pier from injury by collision with the mail packets; the damaged ships were repaired; a sewer mooring was fixed in the light of the east pier; and all the works of the harbour, including roads and buildings, were maintained in good order.

Although there was a succession of heavy gales during the winter, and damages were reported from several other harbours between the 14th November and 2nd December, no damage worth speaking of occurred at Kingstown till the 3rd of January last. On that day there was a heavy southerly gale, and the water inside the harbour rose to fifteen feet above low water of spring tides, being more than three feet above the ordinary level; this gale was accompanied by a very heavy sea. At the west pier the sea tore up the paving of an arch at the rear of the Lightkeeper's house, and, following the line of a soil pipe, tore up the filling, and did much damage to the sea pavement. This injury commenced at the upper part of the sea slope, eight or ten feet above high water. The toe, or lowest part of the slope, for a height of about nine feet, was, however, un injured. At the east pier the sea rolled over the parapet and roadway, tearing the latter up (in some places to a depth of three feet); the rubble breakwater on the sea slope was disturbed, and part of it carried away by the sea. I estimated the amount of damage done to the works of the harbour at a sum of £1,500.

Registry of Rainfall at Kingstown for year ending
31st March, 1877.

Date, 1876-77.	Date of Greatest Fall in 24 hours.	Greatest Fall in 24 hours.	Total Fall for the Month.
April . . .	13th.	3.59	1.79
May . . .	15th.	.26	.41
June . . .	30th.	.57	1.68
July . . .	27th.	.44	.95
August . . .	3rd.	1.15	2.89
	19th.	1.74	
September . . .	23rd.	.95	2.06
October . . .	3rd.	1.43	6.21
November . . .	14th.	.93	4.32
December . . .	3rd.	1.56	9.91
	27th.	1.58	
January . . .	31st.	1.40	5.03
February . . .	4th.	1.28	1.23
March . . .	2nd.	.42	2.76
Total for year . . .			33.25

Drooping.

The deepening of the harbour has been continued during the year, and a quantity of 33,421 cubic yards dredged.

The dredger is now undergoing repairs to her boiler, machinery and hull.

South Harbour, County Dublin.

Satisfactory progress was made with the works at the sea pavement of the east pier, 1,540 superficial yards of which was reconstructed. The roads, wharves, sailing sheds, &c., were efficiently maintained.

I regret, however, to be obliged to state that very great damage has been done to the works of the harbour from a succession of gales, the first of which occurred on the 30th September last, and the last so late as the 27th April. On the 9th January last I reported as follows:—"Both east and west piers have suffered more or less for their entire length. The concrete work of 1875 and 1876 (522 feet in length, and exposing a surface of 34,000 superficial feet to the sea) has escaped with comparatively little injury, probably not exceeding £160; but that executed in the year 1874, next to the old rubble slope, has been seriously damaged. The entire of this last-mentioned slope has been nearly demolished; the bearing has been torn up, exposing the parapet (in one place to a depth of nearly eight feet), the coping of which has been carried away for a length of 300 feet, and thrown either on the quay or into the harbour. Three hundred square yards of wharf paving have been torn up. Of eighteen wooden sheds erected by the Board and let to fish-curers, only four remain standing."

It is well to state that the damage to this harbour (as at Kingstown) commenced from ten to fourteen feet above the level of high water, the sea tearing up the old rubble pitching and washing out the bearing, notwithstanding which the new work below it remained uninjured for a length of more than 500 feet, as above described. I estimated the damage done to this harbour at £5,000.

Donaghadee Harbour, County Down.

Damages having been reported to this harbour by the storm of 2nd December last, I visited it on the 8th of that month, and ascertained the amount of the damage to be £250. I again made an inspection of the harbour on the 11th January, when I found that the recent gale had much increased the damage, which here, also, had commenced above the level of high water. The sea, first tore up the heavy pitched slope and washed out the rubble filling; it then attacked a heavy wall built wall (forming the foundations of the parapet), which the destruction of the slope had exposed, in which it made a breach, fortunately, however, without injury to the parapet itself. Lamon's wharf, inside the harbour, was also injured. In my report of the 9th January I estimated the total damage at £3,500.

Dunmore Harbour, County Waterford.

The works at this harbour consisted in repairs to the sea slope; 1,463 cubic yards of sea slope and toe of pavement were constructed, and 686 superficial yards of same jointed with cement concrete. Part of the stone jetty and wall adjoining it, referred to in my last annual report, has been taken down, and is now in course of re-construction.

From the 11th to the 16th November, 1876, there was a continued storm, which damaged the sea slope, tore up the waggon rails, which were bolted on top of parapet, and disturbed some of the rubble masonry.

In the gale of the 3rd January the wind shifted from E.S.E. to S.W., and but little damage occurred.

I estimated the damage done during the gale at £200.

FISHERY PIERS AND HARBOURS.

Glin Pier, County Limerick.

The works of this pier are completed, and it is now in charge of the Grand Jury of the county Limerick.

Courtmacsherry Harbour, County Cork.

The masonry of this pier is finished, but a small quantity of excavation still remains to be removed from the bed of the harbour; it is expected that this will be also finished within a few weeks.

Port Oriel Harbour, County Louth.

The excavation of this harbour is in progress.

Ballyvaughan (Bourneville) Pier, County Clare.

Early in the past year Messrs. Mannix and Shide, the contractors, commenced work at this pier. Up to the 20th July they were principally occupied in forming and fending approach road to the pier; at that date the setting of concrete in situ commenced, the total quantity thus set, up to the present, being 763 cubic yards. Concrete blocks, representing a total quantity of 286 cubic yards, have been made, of which about 56 cubic yards have been set. The works now extend to a length of about 350 feet, the several parts of which are in different states of progress.

Bathmillen Pier, County Donegal.

The works of this pier, the execution of which the Board let by contract to Mr. William J. Doherty, were commenced and completed during the year. The contractor is now employed in putting up some timber fenders to protect the pier from collision; this work will be finished during the ensuing month.

Glen Quay, County Louth.

At this pier 329 concrete blocks (about 750 cubic yards) were made, of which 184 were set. A quantity of 803 cubic yards of concrete was set in situ, 2,322 cubic yards of shingle bearing to pier, 290 superficial yards of wharf pavement, and 80 fmsl feet of wharf coping set, and 246 cubic yards of sand and gravel excavated out of the bed of the harbour.

The works of the pier are completed for a length of a little more than 350 feet, and a further length of forty feet is in different stages of progress.

On the 3rd of December the Clerk of works wrote, "I am sorry to have to report to you that there is serious damage done to the works and staging. The storm on last night was fearful, accompanied by an extraordinary high tide; the eastern traveller was swept off, and the western one is in a dangerous position. I fear the next tide will do further injury."

I visited the pier on the 5th, and, as reported to the Board on the 7th, I found that a length of 340 feet of the pier which was completed was absolutely useless; that the damage done to the masonry of the unfinished work at the outer end (then in progress) was only 4101 10s.; and that the whole damage done, including injury to machinery and loss of staging, &c., &c., would be covered by £350.

On the 3rd of January the Clerk of works reported that there was a terrific storm, (with an extraordinary high tide), blowing from the east, which swept off the western traveller and a portion of the staging, together with a large quantity of filling. In my report of the 9th January last I estimated the entire damage done at the sum of £500.

Ballyvaughan (Old Pier), County Clare, (Repairs).

The works of this pier having received serious damage from the sea, a memorial was presented to His Grace the Lord Lieutenant, on which an order was issued for its repair under the directions of the Board.

The works were commenced on the 1st February last. The breach in the sea wall is now made good nearly to the level of the wharf; and that at the pier-head is also completed. The bulk of the work is, therefore, done, and the whole will be completed during the summer.

MAINTENANCE OF DRAINAGE AND INLAND NAVIGATIONS.

Glinariff District, County Austin.

This work was completed on the 10th October, 1876, at a total cost for all purposes of £459 18s. 2d. The amount of the estimate was £500.

Mosses Drainage District, County Galway.

The works in this district are in charge of Mr. E. Townsend, C.E.

Borris-in-Quarry Drainage District, County Tipperary.

Those works were carried on under the superintendence of Mr. H. J. R. Kane, C.E. His report is annexed.

Longless Drainage District, County Kildare.

The execution of the maintenance works in this case are being proceeded with, under contract, by Mr. Kane, C.E., representing "The Arterial Drainage and Improvement of Lands and Construction Company, Limited." The long-continued wet weather impeded their progress. They are expected to be completed early in the current year.

Ballymore and Ballycormel Navigation and Drainage.

The repairs to an embankment, weir, lock-gates and sluice, at Ballycormel, were let by contract to Mr. Long. The estimate for these repairs was £150. The total cost was £150 14s.

A memorial having been presented on behalf of Mr. O'Beirne, one of the proprietors of the drainage district, for the removal of an accommodation bridge over the canal, the necessary legal steps having been taken, I received authority to proceed with the work, on the 23rd April, and the construction of the bridge is now in hand.

COUNTY ROADS' MAINTENANCE.

Blackrock-road, County Dublin.

On the 27th March last, I made the following report on this —

"In pursuance of an Order in Council, bearing date the 31st May last (and transmitted to the Secretary of this Board by the Under-Secretary of State for Ireland, on the 9th of June following), I was directed by the Board to proceed with the repairs of the portion of this road extending from Maunty's bridge at Baginbun, to the Cross of Blackrock, a distance of 1,212 statute perches.

The work of repair was commenced on the 18th of June. Since that time a quantity of 2,963 cubic yards of broken stone has been spread on the road, and 8,036 cart-loads of mud removed from it. The water-ticks, drains and footpaths have been cleaned and repaired, and the surface has been freed from stagnant water. The total expenditure, as reported by the accountant, is £5,105.

I beg to report that the road is now in good order."

By direction of the Board, I attended the Grand Jury of the county of Dublin at the Easter Presenting Term, and gave them all particulars they required of me. The expenditure on the road was as follows:—

	£	s.	d.
Broken stone, 2,963 cubic yards .	3,838	19	7
Cutting mud off road, 8,036 cart-loads .	285	0	1
Rolling surface of paved road .	6	10	0
Manual labour .	678	16	4
Plant, tools, pipes, traps, stoves, &c.	103	9	1
Wages of workmen and pay clerk .	202	12	6
	25,116	7	7
Plant and tools transferred to Kingstown harbour .	11	7	7
	25,106	0	0

APPENDIX B.

Report of Mr. Robert Manning, M. Inst. C.E., Chief Engineer.

APPENDIX B.
Report of Mr.
Robert Manning, M. Inst.
C.E., Chief
Engineer.

I beg to remark that this road is one of the most important outlets from Dublin. The circulation of traffic upon it reaches nearly to 1,300 vehicles daily, and to maintain the surface of the road in good order requires constant care. For several years past the expenditure upon repairs has been insufficient, and the result has been the necessity of the very large outlay on the road during the past year. It will be observed that nearly four-fifths of that expenditure has been for broken stone, of which nearly 10,000 cubic yards were spread on the road; this large quantity represents, however, a depth of only $\frac{1}{2}$ inch over its entire surface. It is quite obvious that if the road is suffered to remain without repair for any length of time (as it has now been for more than a month), it will revert to the condition in which it was when the Board took charge of it last June.

DRAINAGE AND IMPROVEMENT OF LANDS.

Inspections of the works have been made in the eight districts in progress during the year. Certificates have been given to the amount of £40,500.

ROBERT MANNING, Engineer.

REPORT ON STORM DAMAGES.

I regret to be obliged to report to the Board extensive damage to the works of the several harbours under their control during the gale of Wednesday last, the 3rd inst.

From the 11th November to the 2nd December, damage was reported from DUNMORE, DONAGHADEE, HOWTH and GLEN-QUAY. I have since visited the three last-named harbours. At Donaghadee the damage was comparatively slight, amounting to about £250, for which the Treasury authorised an additional estimate. At Howth the cost of repairing the damage amounted to about the same sum.

At Glen-quay the damage to the work itself was £101 10s., but loss of machinery and previous damage was estimated at £250 more.

On the 2nd inst. I was enabled to report to the Board, that no further damage from the continued heavy gale and sea had been reported. On the following day, however, there was a heavy southerly gale, and the high water within the harbour at Kingstown stood at 15 feet, being more than 3 feet over the level of high-water spring tides. This gale was accompanied by a heavy sea, and from the fact that equal injury was done at the lee and weather sides of the bay, there can (in my opinion) be no doubt that a great ocean wave swept through the Irish Sea.

ROYAL HARBOURS.

Kingstown, County Dublin.

The sea pavement at the west pier-head was torn up to the extent of 1,300 superficial yards, and the tool-house and its contents carried to sea; on the east pier the sea rolled over the roadway, tearing it up in some places to a depth of 3 feet. A large extent of the rubble breakwater on the sea slope was carried away or displaced.

Howth, County Dublin.

Both east and west piers have suffered more or less for their entire length. The concrete work executed during the years 1873 and 1876 (523 feet in length, and exposing a surface of 24,000 superficial feet to the sea), has escaped with comparatively little injury,

probably not exceeding £150; but that executed in the year 1874, next to the old rubble slope, has been seriously damaged. The entire of this last-named slope has been nearly demolished; the bearing has been torn up, exposing the parapet in one place to a depth of nearly 8 feet, the coping of which has been carried away for a length of 300 feet, and thrown either on the quay or into the harbour; 300 square yards of wharf paving have been torn up; of eighteen wooden sheds erected by the Board and let to fish owners, only four remain.

Donaghadee Harbour, County Down.

At this harbour both northern and southern piers have suffered; the sea pavement having been breached in seven different places. The sea first tore up the heavy stone pitching which formed the sea slope, then removed the rubble bearing and attacked the foundations of the cut stone parapet, from which it took nearly 100 cubic yards of rubble masonry. The parapet itself, I am happy to say, was uninjured.

Dunmore, County Waterford.

No further damage is reported from this harbour.

FISHERY PIERS.

Enniscullen, County Donegal.

Damage has been done to the staging by collision of a vessel, but no other injury is reported by the contractor.

Swanage, County Clare.

No damage reported.

Port Oriel, County Louth.

The works here consist entirely of rock excavation, and would not therefore suffer.

Damage is reported at Killybeg, County Down, and Kilmore, County Wexford; these piers are in charge of the counties.

It is impossible, at present, to make a proper examination of the damages sustained at the several harbours. From the materials at hand I beg to submit the following approximation:—

I. Kingstown	£1,500
II. Howth (including sheds)	5,000
III. Donaghadee	1,500
IV. Dunmore	200
Total Royal Harbours	£8,200
Glen-quay fishery pier	500
	£8,700

The whole of this sum will not be required during the ensuing financial year. I estimate the amount, in addition to previous estimates, as follows:—

Kingstown	£1,000
Howth	1,500
Donaghadee	750
Dunmore	200
	£3,450

I beg respectfully to request that I may be authorised to proceed with the necessary repairs with as little delay as possible.

ROBERT MANNING, Engineer.

Office of Public Works, Dublin,
January 9, 1877.

REPORT by Mr. EDWARD H. ALCOCK, Harbour Master, on the NUMBER of VESSELS frequenting DUNMORE HARBOUR. For the year ending 31st March, 1877.

Approved B.
Report of Mr.
Edward H.
Alcock, Har-
bour Master.

Harbour House, Dunmore, East,
March 31st, 1877.

SIR,—In accordance with your directions, I now make my annual report on the fisheries here.

All through the year 1876, fish, generally speaking, was scarce, and the trout and sea lochs in the harbour failed to make an average season of it. Occasionally mackerel, whiting and hake were taken in fair quantities, but no large hake, either with scales, scales or lines, were made, while, with regard to the herring and pilchard, I may say they failed to put in an appearance at all. The shell fishermen did much better, there being a plentiful supply of both lobsters and crabs to be had during the summer.

We have had from 15 to 25 large cutters trawling in the deep out of here throughout the winter, but as a whole their season has not proved a remunerative one. No doubt some large hauls of the roughest sorts of fish, such as plaice and skate, were made; but the better paying class of head fish, including turbot, haddock and dory, was scarce, and the same may be said

of cod, ling and sole. Besides such drawbacks, the fishermen has had to contend with an exceptionally wild winter; the storms which frequently visited these coasts having been very severe indeed.

The salmon fishery in both the Waterford and New Ross rivers has proved to be a very good one, the fish having been plentiful, of good size and in prime condition; the market opened at 3s. 6d. and gradually fell to 1s. 6d. per pound. The present salmon season (1877) did not commence as favourably as usual, the fish being scarce and small; but it is improving. The market opened at 2s., rose to 3s. 6d., and then gradually fell to 1s. 6d. per pound, at which it stands at present.

Your ever obedient servant,

EDWARD H. ALCOCK, Harbour Master,
Dunmore, East.

To Edward Hornady, Esq.,
Secretary, Office of Public Works,
Custom House, Dublin.

REPORT by Captain HENRY D. BURNEY, R.N., Harbour Master, on the NUMBER of VESSELS frequenting HOWTH HARBOUR. For the year ending 31st March, 1877.

Report of
Capt. Henry
D. Burney,
Harbour
Master.

Harbour Office, Howth,
March 31st, 1877.

SIR,—In compliance with your letter of the 10th ultimo, I forward a report on the state of the fisheries, &c., of Howth, for the year ended 31st March, 1877. The fishery at this port has maintained the steady rate of progress of preceding years, which is very satisfactory. The port continues to be visited by large fleets of boats from Cornwall, Scotland, Isle of Man, and from all parts of Ireland. The take of fish was 51,910 mounds of herrings, sold at an average of 4½ 6s. 10d. per mound, making an aggregate of £115,604.

The tolls on the 500 boats and 105 cargo vessels amounted to £220, the payment of which, in some cases, is made with great reluctance. I need not point out the trouble entailed in collecting dues from this class of people, I believe much of which would be avoided if a by-law were obtained, making it compulsory to report the first arrival in the year within

24 hours after entering the harbour. The following is a return of the commerce of the port, viz. :—

Vessels frequenting the port during the year :—

Fishing boats	550	tonnage, 15,480
Cargo vessels	195	" 11,615

Imports.

Salt	1,320 tons.
Coal	5,000 "

Exports.

Limestone	4,000 tons.
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Tonnage of vessels carrying fish—5,244 tons.

I have the honour to be, sir,

Your obedient servant,

HENRY D. BURNEY,
Harbour Master.

Secretary, Board of Works,
Custom House, Dublin.

REPORT of Mr. H. J. B. KANE, C.E., on the STATE of the BORRIS-IN-OSNEY DRAINAGE MAINTENANCE DISTRICT. For the year ending 31st March, 1877.

Report of Mr.
H. J. B. Kane,
C.E.

BORRIS-IN-OSNEY DISTRICT.

Maintenance Works.

The Arterial Drainage, Improvement of Lands, and Construction Company (Limited).
Office—1, Foster-place, Dublin, March 31st, 1877.

SIR,—Referring to your circular of 10th March, I beg to state that all the works of maintenance are now fully completed on this district; and said works have been of great benefit to the lands included therein, which lands, notwithstanding the wetness of the past year, have been comparatively free from floods.

I have the honour to remain, sir,

Your obedient servant,

H. J. B. KANE.

The Secretary, Office of Public Works, Dublin.

APPENDIX B. EXTRACTS FROM THE REPORT OF MR. JAMES M. MERRICK, on the STATE OF THE UPPER SHANNON NAVIGATION FROM SHANNON HARBOUR TO LOUGH ALLEN; also the BOYLE WATER NAVIGATION from its Junction with the SHANNON TO DRUM WEAKE, near BOYLE. For year ending 31st March, 1877.

SHANNON Office, Athlone,
31st March, 1877.

Sir,—I beg leave to submit the following report on the state of the works in my charge, on the Upper Shannon and the Boyle Water.

Navigation Course from Shannon Harbour to Spencer's Wharf, Lough Allen.

The navigation course from Shannon harbour to Spencer's wharf, 90 miles in length, is defined by thirty-three stone beacons, 297 iron or timber guide piles, and fifty-four iron or timber boya; those on the Cannagh side of the navigation course being painted red, and on the Limerick or east side black.

The severe storms and unusually high floods of last spring and winter caused a great amount of injury to beacons, piles and boya, rendering it necessary to underpin, or point with cement, fourteen stone beacons, and erect forty-three new larch guide piles to replace decayed ones; eighty-six piles were bushes, or boarded on top, to render them visible in twilight or foggy weather, fifty-seven were painted in the distinguishing colours, red or black; twelve new boya were mowed, and twenty old ones were taken up, painted and re-mowed.

In consequence of the high floods in January last, covering the alluvial at west side of river, between Athlone and Lough Roe, I was obliged to erect six temporary guide piles on the margin, to indicate the channel; and as the flood of last January reached a height of 10½ feet above the summer level below Athlone weir wall to Clonsilla (10 miles), covering the top of several of the guide piles, I was obliged to erect six temporary guide piles alongside of those that were covered, to enable skimmers to ply to and from Shannon harbour and Athlone.

Shannon Bridge.

Some slight repairs were effected on the sheeting of roadway of swing bridge, which is much decayed, and will soon require to be renewed.

The toll-collector's house has been lime-washed, and roof repaired.

Athlone.

The lock-gates at this station were tarred, and iron-work above water painted. A piece of red pine, 6 feet long by 12 inches square, was inserted into one of the miller posts, to repair a defective part. The machinery for opening and closing the gates has got a thorough overhaul, and two new cast-iron ash barrels were erected in the gear-boxes to replace two that were worn out.

One hundred and seventy cubic yards of silt were raised from the navigation course by bag and spoon dredging.

A large quantity of weeds was removed from the navigation course, between the Athlone and railway bridges.

Sixty-six tons of broken stones and gravel were spread on the west wharf. The traffic on this wharf is daily increasing.

The rain gauge that was erected on the spoil-bank, at east end of weir wall, has been maliciously broken up and carried away.

The high floods of January last made a breach in the boundary wall, at the King's meadow, 94 feet in length by 7 feet in height and 2 feet in thickness. This breach must be repaired next summer.

The machinery of the swing bridge was overhauled and gearing adjusted; the roadway sheeting, which is much worn, has been repaired by the insertion of 20 square feet of plank.

The toll-collector's house and office has been lime washed and woodwork painted.

A new slated roof, 26 feet by 21 feet, was erected on the Board's store in Connought-street, to replace the old one, that fell in from decay.

Lonsborough.

Several cogs having been broken in the large driving pinion of machinery of swing bridge, a new one was substituted.

Farnesharry.

The lock-gates were tarred, and the ironwork painted. A new red pine balance beam, 43 feet in length, was erected on west end of the breast-gate, to replace a decayed one. The foot-boards were repaired, and two new iron brackets furnished.

Some slight repairs were effected on the hall-door and frame of the Board's house, at this bridge, and the woodwork painted.

The machinery of swing bridge was adjusted, and the iron trackway on platform repaired.

Clonsilla.

The lock-house at this station, which was in a very bad state, has been thoroughly repaired; the roof of stone was thickened, and a new door and frame erected to replace the former ones decayed.

A pair of new breast-gates, each 13 feet by 10 feet high, were erected at Clonsilla lock, to replace decayed ones; a considerable leakage from the east forebay embankment into the lock chamber was completely stanchied.

The 45-ton spoon and bag dredging barge (built in 1849) has been docked at the Royal Canal dry dock (adjointing this station), and repaired.

Booley.

The lock-gates were tarred and tinned, and the ironwork painted; the balance-beams are very much decayed, and will soon require renewal; the skin gear of lower gates was repaired.

Two new oak stop-gates were erected at the lock to replace decayed ones.

The roadway of swing bridge was repaired at each end by twelve square feet of oak sheeting two inches thick.

The lock-house was lime-washed, and chimney-stack and ridge tiles on roof were pointed with cement.

Jamestown Canal, Lock, and Lock-house.

The lock-gates were scraped and tarred, and iron-work painted; new footboards of red pine were erected, and two cast-iron brackets repaired.

Two hundred and fifty-five perches of boundary drain were scoured up, twelve feet in width.

In consequence of the exceedingly high floods at the end of December, and beginning of January, the water overflowed the banks, which rendered it necessary to raise about 200 yards at both sides of canal, from twelve to twenty inches, with sods, planks, and stones. The water ran with such rapidly on the 30th and 31st of December, that the sodding was carried on in nine inches of overflow. The banks stood the increased pressure very well, but they will require to be permanently raised and strengthened next summer.

The roof of mill building at Jamestown suffered much from the storms of last winter.

Corrib-on-Shannon.

The roof of the toll-collector's house and office was repaired with four square yards of new slating, having been injured by the storm in January.

The sewers in connexion with the harbour and wharves were scooped up, and two guide piles were erected on the site of a lumber boat that sank near the navigation channel.

Locks and Lock-houses at Battle Bridge and Drumlague; also Lough Allen Canal and locks.

The lock-gates at Battle-bridge were tarred, and ironwork painted.

The lock-house has been time-washed, the slated roof pointed, and the chimney-stack repaired.

An overflow conduit of red pine, eighteen feet in length, two feet in width, and one foot high, was inserted in canal bank near the lock, to carry off excess of water on the four-foot six-inch level and prevent overflow on banks, the sluices of breast-gates not being sufficiently large for that purpose.

Two hundred and sixty-four perches of boundary duna was scored up between Battle-bridge and Drumlague locks.

The lock-gates at Drumlague were tarred, and ironwork painted. The lock-house was lime-washed, and the roof, which suffered much from storms last winter, was thoroughly repaired. A new deal floor, fifteen feet square, was erected over kitchen, to replace an old one.

The heavy rains in December raised the water of Lough Allen very suddenly. On the 26th December the water on gauge was eight feet, and on the 29th it was nine and a-half feet, having risen eighteen inches in three days. I therefore got the stop-gate timbers into their grooves on the 30th at 4 p.m. As the banks were often before subjected to a pressure of nine and a half feet, I considered that the safety of the banks

was insured; but at 9 p.m. (five hours after the stop-gate was secured) a rupture took place in the west bank, 580 yards north of Drumlague lock.

The repair of this breach was at once commenced, and was finished and navigation resumed on the 30th of March.

The late flood was the highest the country people ever remembered for the last fifty years in Lough Allen.

The Boyle Water.

The lock-gates at Knockree were tarred and the ironwork painted.

The platform of timber bridge on towing-path was carried away by the high flood on the 2nd of January. It was tarred back and refitted, the masonry of piers being also repaired.

General State of Harbours and Wharves.

The harbours and wharves at Liscarrow, Drumad, Drumsna, Carradoc, Jamestown, Killybride, and Drumsna, on the Shannon, and at Costello-bridge and Knockree, on the Boyle Water, are in a good state of repair.

I am, sir, your obedient servant,

JAMES M. MERRICK, Inspector.

To the Secretary, Board of Public Works,
Custom House, Dublin.

EXTRACTS FROM REPORT OF MR. WILLIAM MOLLOY, Inspector, ON THE STATE OF THE SHANNON NAVIGATION (LIMERICK DISTRICT), and the MAIGUE NAVIGATION. For the year ending 31st March, 1877.

Shannon Office, Limerick,
31st March, 1877.

SIR,—I beg leave to submit to you, for the information of the Board, the following report on the state of the works on the Lower and Middle Shannon, and also the Maigue Navigation, which have been carefully maintained during the past year:—

Querrin Pier, Co. Clare.

The pier, berths, and roadway at this station are in good repair. No expenditure incurred during the past year.

Kilrush Pier and Harbour, Co. Clare.

The pier, harbour, and cranes are in very good repair. The heavy gales during the past year have done some trifling injury to the western side of the pier, which has been secured. The top surface of the old pier has been repaired with 25 tons of broken stones. The hoisting crane at the sternmost berth, from the constant working, was very much worn; it has been thoroughly repaired; both cranes have been cleaned and painted; the storehouse and office coated with well-belled Stockholm tar.

Salem Pier, Co. Kerry.

The surface of the pier has been repaired with 20 tons of strong gravel. The frames, doors and windows of the collector's house were very defective, being exposed to a westerly wind. They have been replaced by two new frames and doors, six window frames and sashes glazed and painted, and the house lime-whitened.

Killybeg Pier, Co. Limerick.

The works at this station are in good repair. No expenditure incurred during the past year.

Fyness Harbour, Co. Limerick.

The wharf has been repaired with 20 tons of broken stones. The stone-pitching of the breakwater suffered a good deal of injury from the heavy gales during the past winter; it has been thoroughly repaired, and the three hoisting cranes painted. The accumulation

of silt in the harbour is still on the increase, and the passenger steamer cannot touch at the end of the pier at low water in consequence of this accumulation.

Killybeg Pier, Co. Clare.

The causeway leading to the pier has been repaired with 25 tons of strong gravel from the beach.

Clare Harbour, Co. Clare.

The wharf has been repaired with 40 tons of broken stones; the berths for vessels cleaned and made even; the hoisting crane painted, and a new short link chain has been supplied for same; the collector's house lime-washed.

Limerick Navigation.

The lock-gates, canal banks, wharves, roadways, bridges, culverts and towing-paths, between Limerick and Killaloe, a distance of sixteen miles, have been well and carefully maintained, no accident having occurred during the recent high water. In consequence of the high floods during the past winter, the water covered the towing-paths in several places on the Shannon levels; the horses could not tow the trade boats, they had to be towed by tug steamers; and the top of the towing-paths suffered a good deal of injury, and several slips took place in the sod embankments. When the water subsided they were repaired without delay. The following works and repairs have been executed, viz.:—The roadway and wharf between Clare-street and the Grand Canal Company's stores have been repaired with 70 c. yards of broken stones; the cast-iron pillars, 28 in number, cleaned and painted; the towing-paths have been repaired with 275 tons of strong gravel, 65 yards of superficial stone pitching, and 312 yards superficial of sodding on slopes of banks; 2,600 perches lined of boundary drains have been cleaned up and deepened. The lock-gates, twenty-five pair in number, have been all kept in good order; one new pair of deep gates made and erected; thirteen new footboards, twelve new elm sluices, twelve loggersheads, twenty-seven uprights and brackets, four racks, four pinions, four rollers, and five balance-beams put on the different gates; the woodwork to water level coated with Stockholm

APPROVED BY
SIR JAMES M.
MERRICK,
Inspector.

EXTRACTS FROM
REPORT OF
MR. WILLIAM
MOLLOY,
Inspector.

Assessment &c.
—
Extracts from
Report of
Mr. William
Malloy,
Inspector.

bolts tar, and the iron and woodwork over water level painted in oil. The middle dapping sill of Ouseau lock was very defective, chipped and broken in several parts, the linkages very good. I put on a thorough metal casing on top, 1½-inch thick, neatly bolted and leaded, which had the desired effect, and stopped all the leaks. Two oak stop-posts put down at Gilligan. The lock-house, stores and offices along the navigation, twenty-three in number, have been cleaned, repaired, and limewashed. One new store gate for Grand Canal Company's store, eleven feet square, framed, sheathed with 1-inch sheathing, with wicket-door, swing-bar, run on metal rollers, made and erected.

World's End.

The works at this station are in good repair. No expenditure incurred during the past year.

Ardsborough River.

This river continues to be an annual source of expense, as the autumn floods bring down large quantities of shingle and gravel from the Clare mountains, the chief portion of which is trapped above the towing-path, and in time of rapid floods a large quantity is driven into the navigation course, which has to be dredged out; on this year 3,600 cubic yards have been removed by horses and carts, and 1,329 tons dredged from the navigation course; 181 perches of bank drain cleaned up.

Killakee.

The collector's and caretaker's houses, stores and offices limewashed. The C dredger has been repaired, painted, and her deck caulked; a new set of tubes, thirty-seven in number, have been put into the boiler. One bigger large repaired; four cow-bushes repaired and painted; six pairs of oars made for small boat at different stations. Ship yard—The framing of the engine and the timber of the carriage ways for winding up the boats became defective and rotten; both had to be renewed.

Sherriff and Turragary Quays.

Both quays are in good repair. At the entrance to the Sherriff harbour, at the junction of the Shannon and Feale rivers, there was an accumulation of gravel and stones, the deposit of many years; this I had removed by dredging 280 tons of gravel and ten tons of large stones. The harbour has been cleaned of the weeds which impeded the traffic of the trade boats.

Mount Shannon Pier, Co. Galway.

The pier at this station has suffered some injury by the excessive gales of the past year; 31 feet lined of the wharf coping has been removed, and 15 yards square of the top pavement torn up; this will be attended to and repaired when the weather moderates.

Pertunna, Co. Galway.

The wharf at this station has been repaired with twenty-five tons of broken stones; three oak mooring posts put down; a new timber shed; 20 feet long by 10 feet wide and 8 feet high, has been erected on the wharf for the accommodation of the collector. The wooden office has been repaired, the top coated with tar, and the interior painted. The berths for vessels had to be deepened in consequence of the accumulation of silt; there were 440 tons of gravel dredged from the harbour. The arrival bridge has been repaired with 400 feet superficial of 3-inch native elm sheathing; three tons of cast iron has been added to the former balustrade, which has given considerable ease in the working of the bridge. The toll-house has been limewashed, the two rooms on the ground floor caulked, and one new step-ladder supplied for the house.

Mallock.

Several leakages having appeared from time to time in the new canal banks, they were attended to without

delay and stopped with well-tempered puddle. The deep gates of Victoria lock are becoming defective, which will render it necessary to provide a pair of new gates; I have had them adjusted this year, and four pairs of new levers put in for the rollers, the woodwork at gates scraped and coated with tar, and all the ironwork painted. The toll-house was limewashed, and the roofs of the store-houses overhauled and painted; 180 perches breast of boundary drains were cleaned and deepened.

Clonsillaunogue Canal.

The roof of the lock-house has been thoroughly repaired, a new floor put in the living room, and the premises limewashed. The old arrival bridge over this canal became very defective and rotten; one of them at Kyleneas-croft gave way altogether, which had to be taken down and replaced by a new one on the principle of half-balk. All the bridges—The gutters at both ends defective; I had those scarfed and banded with iron plates; freed and adjusted all rollers and machinery; had on 120 feet superficial of 3-inch sheathing for roadway; tarred woodwork, and painted the ironwork of same; put in one new balance-beam and one new rack in Hurdston lock, four oak stop-posts put down, and scarfed up 600 perches of boundary drains.

Broughor.

The traffic at this station is likely to increase, as the new Distillery Company is now in full working order. The collector's house has undergone a thorough repair on the outside, the roof painted, the walls plastered and pebble-dashed, the interior limewashed; the wharf was very much cut up by the traction engine; it has been thoroughly repaired with 120 tons of broken stones; 48 perches of boundary drains cleaned up.

Shannon Harbour.

The winter floods bring down a quantity of silt each year, which is deposited in the recesses of the ferry landings; 270 tons has been dredged out this year; 100 tons of stones driven from Derryholmes to build retaining wall, 30 tons of gravel for towing path; an abutment at the end of wooden bridge, 20 feet high, 12 feet wide, and 4 feet thick, was built to support girders and retain embankment; a retaining wall, 60 feet long and 4 feet high was girned and secured, and two heavy piles driven at the west end of the wooden bridge to support the structure.

General Navigation.

The necessary guide-piles, ten in number, have been driven to define the sailing course during the time of high water in the old sailing course between Victoria lock through the Cribbles and Constellor's ford; 9 heavy oak piles driven to protect boats at Killakee; 6 buoys placed on shoals on Lough Derg; all buoys painted the usual colour, red and black, to define the sailing course.

RIVER MAINTENANCE NAVIGATION.

The works on this navigation are in very good repair, the bridge clean and well kept, the houses and premises in good order. A new cut-off has been built in the yard, sheathed with boards, covered with felt, and coated with well-balled Stockholm tar.

I have the honour to be, sir,

Your obedient servant,

WILLIAM MALLOY.

The Secretary, Board of Public Works,
Custom House, Dublin.

REPORT OF MR. ROBERT ADAMS, Inspector, on the STATE of the ULSTER CANAL and TYBONE NAVIGATION. For the year ending 31st March, 1877.

Appendix B.
Report of Mr. Robert Adams, Inspector.

Coalisland, 23rd March, 1877.

ULSTER CANAL AND TYBONE NAVIGATION.

SIR,—I beg to report, for the information of the Board, that the works executed on the Ulster Canal during the past year have been merely limited to the repairs incidental to its maintenance, viz. :—

From Charlemont to Monaghan, 25 miles.

Repairs of Nos. 4, 5, and 6 lock-gates and the removal of the deep gates of No. 13 lock, one new flood sluice near to No. 16 lock, boundary fences and farm passes, scouring out back drains, stanching leaks, sodding and puddling broken down parts of the canal banks, the removal of the earth which slipped down from the side-long cuttings into the channel of the canal during the winter, the removal of shoals formed in the bed of the canal at the several points where the natural finders discharge into it, and the removal of weeds, have been the principal works executed on this division.

From Monaghan to Clones, 14 miles.

The repairs effected on this division were raising the subsided portions of the canal banks, stanching leaks, clearing out back drains, raising boundary fences, puddling broken down parts of the canal banks, farm passes, and the removal of weeds out of the canal.

From Clones to Lough Erne, 7 miles.

The subsidence in the banks during the past winter on this division was very considerable, and required

constant attention; sodding and puddling broken down parts of the canal banks, stanching leaks (some of which were very heavy), clearing out boundary drains, raising fences, repairs of farm road passes, and weeding the canal, were the principal repairs executed on this division.

Quilough Bascrode.

The embankments, occupation bridges and boundary fences have been maintained in good order.

TYBONE NAVIGATION.

This navigation has been maintained in good order during the past year, and no expenditure has been incurred further than what was required for its maintenance.

The works of repair executed have been merely limited to the repairs of the towing-path (which is also a tramplie-road), sodding and puddling broken-down parts of the canal banks, stanching leaks, also the removal of 300 cubic yards of silt out of basin at Coalisland, the repairs of lock-gates, and cleaning and coating same with prepared tar, repairs of lock-keeper's houses and regulating sluice-keeper's house, lime-walking the boundary walls of stone-yard and wharf, painting the iron bulwadding on north side of basin, and the removal of weeds out of the canal.

I have the honour to be, sir,

Your most obedient servant,

ROBERT ADAMS, &c.

The Secretary,
Board of Public Works.

REPORT OF MR. P. J. DODD, Superintendent, on the STATE of the LOWER BOYNE NAVIGATION. For the year ending 31st March, 1877.

Report of Mr. P. J. Dodd, Superintendent.

Drogheda, 25th March, 1877.

SIR,—I beg to forward annual report on the state of the works on the "Lower Boyne Navigation," asked for in your circular of the 10th inst.

River Wall and Towing-path, Ballagrove.

The stone facing of river wall has been thoroughly and well maintained, and the surface of towing-path well repaired from time to time during the year, which has been an unusually severe one.

Oldbridge Station and Lock-house.

The balance-beams and part of the framing of deep gates are showing signs of decay; new footboards have been fixed to the four gates. The house is in fair order and clean.

Oldbridge Guard Lock-gate.

The breast gates are in very good order; but the tail gates are somewhat shaken, being old.

Stallan Station and Lock-house.

The gates are in pretty fair order, but the footboards require to be renewed. The house is in good order.

Stallan Guard Locks.

The four gates are bad and out of repair, and will require to be renewed during the summer season.

Bree Station and Lock-house.

These gates have been thoroughly overhauled and

repaired during the year. The house is clean and well kept.

Bree Guard Lock.

The gates are in fair repair, and stood the floods of the year well.

Bascrode Station and Lock-house.

The gates are in very fair order, a new balance-beam has been fixed to one of them. The house is well kept, but requires some repairs.

Mill Lock, Slane.

These gates have been thoroughly overhauled, and for the most part renewed during the year, and are in first-class order.

Castle Lock, Slane.

The deep gates are in first-class repair; but the breast gates are very weak, and must be renewed at no very distant date. The house is in good order.

The weeds during the last season were well kept down by dragging in both canals and river, and the surface of the towing-paths well maintained; and a few land-slips, which occurred from the heavy rains and great floods during the year, have been cut away and made good, and the navigation has been kept well clear during the year.

I have the honour to be, sir,

Your obedient servant,

P. J. DODD, Superintendent.

The Secretary, Office of Public Works,
Custom House, Dublin.

APPENDIX C.

Landed
Property Im-
provement.Inspectors'
Annual
Reports.

APPENDIX C.

LANDED PROPERTY IMPROVEMENT.—INSPECTORS' ANNUAL REPORTS, 1876-77.

*County Antrim, Londonderry, Armagh, Tyrone,
Monaghan, and Fermanagh.*

In compliance with the request contained in your communication of February the 2nd, I now submit the following annual report, for the information of the Commissioners of Public Works, on the working of the Land Improvement Acts for the year 1876-77.

During this period I have made in all seventy-one inspections, eight of which have been preliminary, the remainder the ordinary progress inspections. Most of these loans are for building purposes, such as farm buildings, labourers' dwellings, &c.; so that this will show an increase on drainages and plantations, &c., to the preceding year.

Vincent Templeton (county Antrim) is still carrying out his large drainage scheme, which is giving great satisfaction to his tenants, who at first refused, and now find the great benefit of having their lands thoroughly drained and in parts reclaimed.

Mr. Ansell, of county Monaghan, has just completed a drainage loan, and is about embarking in a large drainage scheme for the benefit of his own immediate lands, and which will amply repay for the outlay, as the grounds, I may say, be low and swampy.

The Earl of Enniskillen is making new roads through his property in the neighbourhood of Florence Court, which will be of the greatest use to his tenantry, who had little or no access to their bog-lands; and good substantial labourers' dwellings are being erected in different parts of his estate, which, no doubt, will be an example to other proprietors.

Mr. Robert Gore, of Banagh, in the county of Tyrone, is executing good drainage works, and has just completed an extensive farmyard and offices suitable in every way to the extent of the farm.

Sir William McMahon will shortly have completed a farm residence and offices near Mountfield, county Tyrone.

The Marquess of Ely is completing a long series of new roads, which open up a wild and inaccessible country to which his tenants go for turf, near to Church Hill, in the county of Fermanagh.

About the best reclamation that has come under my notice for the last year is that carrying out by the Rev. John Beatty at Bellisle, barony of Lower Donagh, county Antrim. A large tract of bog-lands has partly been thoroughly drained &c., with deep arterial cuts, and what was utterly useless is now giving crops and repaying well. I expect, within the next two or three years, Mr. Beatty will have the entire bog-lands of Bellisle in arable condition. Through the county of Antrim large tracts of these useless lands, I am sorry to say, exist, and if Mr. Beatty's energetic actions were imitated, all might be brought to be fruitful and well repaid.

Sir Frederick W. Hoggis, bart., has commenced making improvements on his property at Bellisle under the Land Improvement Act, such as planting for shelter, building and repairing labourers' dwellings.

The Earl of Charlemont has within the last few months finished a most valuable reclamation of cut-out bog ground, which, when his lordship commenced operations, did not grow a blade of grass; it has all been levelled, clayed, and limed, and the last season the greater portion produced a most valuable cereal crop. George Blundell is the name of townland, in the county Armagh, alongside the leading road from Moy to city of Armagh.

Mr. Walter McGeough Bond has commenced draining and improving under the Board. The townland of Drumail is the part he is now levelling old fens on and making into large fields, fenced by seven

strands of wire cable instead of mound and grips, and thorough draining throughout.

Mr. Lowry has nearly completed all his improvements, for which he had loans, and his property is very much benefited by the results.

His Grace the Lord Primate of Ireland is at present expending a considerable loan in thorough draining to his demesne, which required it badly, and will be much improved.

Thomas Ballie-Gage, esq., has just entered on very considerable works of drainages, plantations, road-making &c., buildings, &c., in the demesne of Threemore, where drainages had never before been thought of.

Mr. John G. V. Porter, of Belleisle, county Fermanagh, is carrying out very considerable improvements on his property at Lishelaw and Belleisle, in the way of drainages, labourers' dwellings, and farm buildings.

Altogether, I have much pleasure in stating that I am perfectly satisfied with the manner in which proprietors and their agents have carried and are carrying out works during the last year under my direction, and in only one or two instances have I had occasion to report to the Board to the contrary.

THOMAS S. JENKIN,
Civil Engineer.

*Counties of Carlow, Kildare, Kilkenny, King's, Queen's
Wexford, and Wicklow.*

Ashfield Hall, Carlow,
2nd February, 1877.

In obedience to instructions contained in your letter, dated 2nd February, 1877, I herewith furnish my annual report on the working of the Land Improvement Acts in the district of my inspection for the past year.

During the year 1876 I have made fifty-four inspections under the Land Improvement Acts. Nineteen were for new loans; thirty-five were progress inspections. Of the new loans eight were for thorough drainages, fencing, &c.; eleven were for farm buildings, labourers' dwellings, farm dwellings and offices.

Proprietors are generally willing to build and improve farm dwellings and offices, if occupants will consent to pay a fair per-centage on the outlay; in most cases tenants are willing to do so.

Labourers' dwellings are not looked on as a good investment by proprietors, except when the tenants of adjoining lands agree to pay the instalments on loans as they become due; thus, in many cases, will not be done; therefore labourers' dwellings are not built generally, although much needed; and on farms remote from towns or villages it is very often difficult to procure a sufficient number of farm lands in times when most needed.

The provisions of these Acts are, when acted on, found to be very satisfactory to borrowers.

I have been inspecting and reporting for the Commissioners of Public Works from the passing of the Act in 1846 to the present time, during which period I have heard all borrowers express their great satisfaction at the results in every respect, and with the Board's regulations for obtaining loans, and the several instalments thereof as they are required for carrying out the proposed works of improvement.

The price of labour has greatly increased, and is an impediment in the way of drainage, fencing, &c.

J. FLEMING.

County of Longford, and parts of Westmeath, Meath, Cavan, Leitrim, and Roscommon.

Newtownland, Edgewoodstown,
7th April, 1877.

In compliance with your request, I beg to submit, for the information of the Board, my annual report on the working of the Land Improvement Acts in the above-named district, since the 17th April, the date of my last report, up to the present.

During the past year I have made fifty progress inspections for buildings, drainage, fencing, &c., and I am happy to say that I have found all the works satisfactorily executed.

The only drainage loans, of any extent, which I have inspected, are on the properties of John Cooke, esq., Lord Annull and Dr. Gregg, in Longford, and of Mr. Murray, also on that of the late Samuel Russell, esq., in Westmeath; and the results are, in every instance, most gratifying.

A remarkable instance of the benefit of the Acts has occurred on Mr. Cooke's property in Longford. The tenantry were, at first, so much averse to the extra expense involved in the improvement of their land, that Mr. Cooke determined to discontinue the works, and did so for some time, but the rapid deterioration of the land that had been reclaimed was so marked, that the tenants are now most anxious to have all the proposed improvements carried out.

The loans for the building and repairing of farm residences and offices, &c., still continue to be most in favour, and amongst these in the county Longford I may instance Mr. Gregg's very substantial farm residence at Derrydunragh, while several small proprietors and tenant farmers are greatly enhancing the value of their farms by their improvements, both in this county and in Meath, Leitrim and Roscommon. Messrs. O'Connor and Wade have also provided several commodious farm residences, with suitable offices, on their property in Meath and Cavan; and Mr. Sanderson, in Cavan, has made considerable and valuable additions to his farm offices, at great expense.

In Westmeath Lord Longford and Miss Connolly have been mindful of the welfare of their labourers, and have provided healthy and comfortable cottages for them—an example which should be widely followed.

The cost of labour and materials throughout this district, though not less than last year, has not increased.

WILLIAM BOWEN.

County of Tipperary.

Riverstown, Nenagh,
March, 2nd, 1877.

In submitting my annual report on the operations of the Land Improvement Acts for the past year in the district with which for so many years I have been connected, I have not any new or important fact to bring under the notice of the Commissioners, nor much more than to contrast the nature of the applications for loans, which I think show a decided advance in the land improvement of the country.

In former years the loans were chiefly granted for the improvement of the soil by the various modes applicable; now, though there is still need of improvement, particularly connected with arterial drainage, yet the attention of the owners of property is more directed to the improvement of the dwellings for their labourers and tenants, and to the providing proper farm offices, &c., than to drainage.

Within the last year or two the attention of proprietors has also been directed to planting, in situations where pasture or tillage could not be attempted, with the prospect of satisfactory results, and which, I think, is likely to prove remunerative.

In explanation of these general remarks, I would refer to the returns, which will show that for the past

year my inspections have been for farm buildings and labourers' cottages, thirty; while those for thorough drainage have been but twelve.

Some of the loans for farm buildings have been of very considerable amount, the principal of which have been to Mr. Parker, of Castle Lough, and Mr. O'Meara, of Rossmore. The loans for labourers' dwellings to Mr. Gibson, of Rosheefort, Mr. Thomas Butler, of Ballymacron, the Earl of Rosse and Mr. Burton, average very nearly £700 for each. The loans for planting amount to within a few pounds of £4,500. There has been only one case connected with water-works, that of Mr. Farrer, which has been attended with very beneficial results, both in a sanitary point of view as well as a great convenience to every part of a large establishment.

I am happy to be able to state that the several works have been all very fairly executed, that I have not been obliged in any case to recommend the refusal of further instalments to be issued, and that any suggestions I found it necessary to make to the parties, in the expenditure of the loans, were met in a good spirit and generally adopted.

I need not remark that the estimates made some—even a year or two since, are found insufficient to carry out the full works contemplated, and that supplemental loans have, in some instances, been necessary, owing to the great advance in tradesmen's wages, and which I do not see any likelihood of decreasing, as I learn, on inquiry, that few young men are, as they used to do in former years, bound to artisans or tradesmen.

JAMES JOCELYN POSE.

Counties of Mayo, Roscommon, Galway, and part of Clare.

Galway, 24th April, 1877.

In compliance with the request of the Board, I beg to forward the following report in relation to the working of the Land Improvement Acts in my district during the past year:—

Within that period I have made one preliminary and 101 progress inspections; and I have certified for works to the amount of £33,371 1s. 3d. Of the 101 cases of inspection, fifty-seven came under the head of agricultural buildings, and forty-four of the improvement and reclamation of land.

In relation to buildings, what I mentioned in my former reports still remains a serious desideratum, viz., substantial, healthy, and moral cottages for the Irish peasants.

Some advance in this respect has been made in my district; but the high price of slates has been a great check to every description of building. Mr. Fallon, of Netherville, Mr. Pemas, of Moyade, and Mr. Piffrench, of Manivet, have erected some excellent cottages, which seem well adapted for the requirements of the Irish labourer or small tenant.

They contain a good-sized kitchen, poultry, or dairy, and three bed-rooms, with an independent entrance, good light, and a fireplace in each; and the average cost is £100.

Some fine farm offices have been erected by Captain Knox, of Crough, in the county of Mayo, Mr. O'Rourke, of Glashere Park, in the county of Galway, and Mr. Scudford, of Cardross, in the county of Roscommon.

With regard to land improvements since my last report, I am happy to state that a considerable amount of open main and thorough drainage has been carried out in this part of the country.

The best specimens of this kind of work have been executed on the estates of Mr. Packenham Mahon, at Strokestown; of Mr. Callaghan, at Sheeue; of Colonel Daly, at Baford; and of Mr. Richardson, at Traquin. Mr. Richardson obtained the gold medal of the Royal Agricultural Society for the style and excellence of his thorough drainage.

Of all the works executed under loans from the

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Board, improvements of this nature appear to yield the best return. The tenants and owners of the soil are now, I am glad to say, becoming alive to this profitable investment of labour and capital.

In all cases where the drainage has been well executed, the proprietors inform me that the beneficial effect is almost immediate; and the wonder is, considering the great facilities afforded by the flow for obtaining loans, that, in localities where manure is found in great abundance, large tracts still remain barren and worthless, which could easily be reclaimed by open main or thorough drainages.

Indeed, comparatively speaking, land is no manufacturing, and is singularly deficient in mineral wealth. Peat exists in great abundance, but it lacks that essence essential for the production of that material to which England chiefly owes her wealth and greatness. If this country is ever to become rich, the attention of her people must be directed to the improvement of her husbandry and the reclamation of her land, enabling "the earth to yield her increase."

EDWARD TOWNSEND.

The Secretary, Office of Public Works,
Custom House, Dublin.

*County of Limerick, and portions of Clare, Tipperary,
and Cork.*

Office—No. 66, George-street, Limerick,
20th March, 1877.

In submitting my annual report upon the working of the Land Improvement Acts in my district during the past year, I beg to say that I made three preliminary inspections and forty-one progress inspections, reporting upon thirty-four loans, and certifying for an expenditure of £5,343 12s. 5½d., of which sum £3,169 11s. 8d. was laid out on land improvement, and £2,173 6s. 9½d. upon building works, showing an increase of £38 16s. in the former, and a decrease of £764 2s. 5d. in the latter department, on the expenditure of the year 1875.

The number of applications for loans reported upon by me during last year fell short of the preceding year by two, and the loans in progress, or being carried out, last year were less by one than the number in operation in 1875.

I am unable to observe any change in the value of artisans' labour since my former annual report; building materials, however, have increased in price.

I am able again to repeat that the several loan expenditures have given thorough satisfaction.

WILLIAM SIDNEY COX,
M. INST. C.E.

The Secretary, Office of Public Works,
Dublin.

Counties of Kerry and Cork (part of).

Trillick, 6th February, 1877.

Pursuant to your order of the 1st inst., I have to make the following report on the working of the Land Improvement Acts in my district during the year 1876—

It is satisfactory to find that the decrease shown since 1874 in the extent of improvement, as detailed in my report of progress in 1875, seems to have reached its lowest, as there is an increase of £491 in the certified expenditure during last year over 1875. The gross total is £19,855 11s. 6d., and the greater part, £7,603, has gone for buildings, and the balance, £12,252, for land improvement, shows £104 of that increase. The borrowers are more disposed to improve their own holdings than those of their tenants, for there has been only £4,786 expended on land improve-

ment and buildings on lands in occupation of tenants, including only five loans for labourers' houses, on which £1,457 have been certified in 1876, the most of it for eight dwellings at £942 for Lord Lansdowne, nearly all built in 1875.

The most important object of these Acts may be regarded as almost entirely neglected in Kerry, until the improvement of labourers' dwellings increases for some years to twenty-five per cent. on the yearly expenditure instead of amounting to the accommodation of only six or seven families at £537, as it did for the last year.

We may never expect to see that increase until the extravagance of building is kept down, and houses built at estimates not exceeding £50 apiece. Such houses have been built, and can be built everywhere. Mr. G. Hewson has just shown a model on his farm at Gortnashkeha, in this county built by contract, comprising a double house 52 x 17 outside, and 8 feet high, which is all well lit, and finished inside with plaster ceilings and cement floors at less than £3 per lineal foot, which will pay. Such examples will be copied, while the building of labourers' dwellings at £160 apiece only deters prudent people from engaging in what seems to many a waste or unprofitable use of public money.

Great discrepancy in cost of farm offices may be found too. I can show a cattle-house for forty-two cows that cost only £2 2s. per lineal foot at £240, and another for forty cows (root-houses annexed in both) which cost about five times as much. Such expenditure on this last one never pay.

These cases strongly suggest that there ought to be, at least, some limitations, without drawing any hard-and-fast line restricting the borrowers.

The use of cement concrete roofing has been tried with success, and I am sure that much of the difficulty of building cheaply for labourers will be got rid of by it, for a concrete roof can be made as cheaply as thatching with straw, strong enough, quite weather-proof, and safe from decay.

HENRY SOOKES.

County of Cork.

Cork, 15th February, 1877.

I beg to submit the following statement of the working of the Land Improvement Acts in my district for the past year:—

I have made five preliminary inspections for land improvement, four of which were for small sums, and twenty-two progress inspections of buildings, ten of which were for labourers' dwellings, and the others for farm offices, with or without dwellings. None of the latter cases were of very considerable extent, while some of the loans for labourers' dwellings were large, and, particularly where carried out in towns, the demand for the houses is considerable, and, no doubt, the advantage to the labouring classes great.

In land improvement I have made twenty-five progress inspections, and some of the cases were of considerable extent. In those that have been going on for some time the increase in the value of the land drained is very evident, and the return good for the amount expended. The advantages derived under the Acts are acknowledged by all, but the scarcity of labour and the unusually wet season have kept the works very much back. With very few exceptions, the various works have been executed in a most satisfactory manner. Notwithstanding the increase in the prices for building, there is a decided tendency on the part of farmers to get better accommodation both in dwellings and offices.

J. T. CORNWALL.

APPENDIX D.

LANDED PROPERTY IMPROVEMENT ACTS, 10th Vic., chap. 32, &c.

SCHEDULE—Showing the Loans in progress, the Amounts sanctioned, and issued by Instalments, with the Date of the last Order to Issue, to the 31st March, 1877.

NORTHERN DISTRICT.

County.	Applicant.	Amount sanctioned.	Amount issued.	No. of instalments issued.	Date of last Order to Issue.
		£ s. d.	£ s. d.		
ANTRIM.	Viscount Templemore,	7,000 0 0	4,000 0 0	3	7 August, 1870.
	Do,	1,170 0 0	520 0 0	4	12 November, 1873.
	Rev. John Beatty,	300 0 0	300 0 0	2	18 October, 1870.
	Rev. Robert Wilson Brown,	300 0 0	300 0 0	2	22 November, "
	Anthony Trell,	150 0 0	150 0 0	4	10 March, "
	James Stewart Moore,	335 0 0	180 0 0	4	27 January, 1877.
	James Street Irvine,	300 0 0	250 0 0	2	8 February, "
	Rev. Robert Wilson Brown,	300 0 0	40 0 0	1	22 December, 1876.
	James Street Irvine,	252 0 0	50 0 0	1	27 February, 1877.
ARMAGH.	Judith W. H. O. Bond,	500 0 0	150 0 0	2	7 February, 1877.
	M. G. Terenford, Archbishop of Armagh,	1,000 0 0	400 0 0	2	7 March, "
	Lord Lurgan,	100 0 0	75 0 0	3	4 January, "
LONDONDERRY.	Richard King,	1,500 0 0	900 0 0	3	25 August, 1873.
	William Calver,	750 0 0	750 0 0	2	2 June, 1876.
	Henry O'Neill,	600 0 0	450 0 0	4	2 February, 1877.
	Samuel Coleman,	500 0 0	50 0 0	1	27 January, "
	Sir E. W. Haydon, Bart.,	500 0 0	45 0 0	1	3 March, "
	Do,	1,500 0 0	300 0 0	1	" "
DERRY.	Alex. J. B. Stewart,	4,000 0 0	1,500 0 0	3	25 September, 1873.
	Do,	5,750 0 0	2,500 0 0	7	2 December, 1874.
	P. J. Doyle,	100 0 0	85 0 0	4	20 February, "
	A. C. H. Stewart,	1,500 0 0	600 0 0	2	7 March, 1877.
	Alex. J. B. Stewart,	5,000 0 0	1,500 0 0	3	2 November, 1875.
	Do,	"	"	"	"
FERMANAGH.	John G. Irvine,	500 0 0	500 0 0	4	26 November, 1874.
	The Marquis of Ely,	1,000 0 0	500 0 0	3	27 June, 1871.
	J. G. Woodfield,	1,225 0 0	400 0 0	2	2 December, "
	E. J. Stewart and wife,	150 0 0	150 0 0	2	19 January, 1877.
	John G. Irvine,	500 0 0	330 0 0	2	2 November, 1876.
	John Grey Young Farnes,	2,500 0 0	1,500 0 0	2	25 December, "
	Earl of Rossmore,	200 0 0	200 0 0	2	4 " "
	J. G. Irvine,	1,000 0 0	450 0 0	12	8 November, "
	Earl of Rossmore,	600 0 0	350 0 0	2	24 January, 1877.
	Do,	570 0 0	280 0 0	4	4 December, 1876.
	J. G. V. Power,	2,045 0 0	480 0 0	1	1 September, "
	Edward Ansell,	545 0 0	40 0 0	1	7 " "
TIRONE.	Edward Barton,	565 0 0	130 0 0	1	31 October, "
	Robert W. Leary,	5,000 0 0	1,000 0 0	9	17 April, 1876.
	James C. J. Leary,	400 0 0	250 0 0	4	15 February, 1876.
	Thomas S. Irvine,	150 0 0	150 0 0	5	29 August, "
	Do,	300 0 0	250 0 0	4	6 September, "
	Andrew Buchanan,	400 0 0	250 0 0	3	9 November, "
	Robert W. Leary,	800 0 0	640 0 0	4	2 March, 1877.
	James Leary,	100 0 0	60 0 0	3	9 August, 1876.
	Do,	150 0 0	100 0 0	4	24 July, "
	The Duke of Abercorn,	2,500 0 0	2,000 0 0	4	7 March, "
	J. Y. Borge,	575 0 0	500 0 0	4	11 December, 1876.
	Sir N. A. S. S. S. S., Bart.,	500 0 0	500 0 0	5	2 January, 1877.
	Guardians of Hugh Gage, a Minor,	800 0 0	310 0 0	3	20 February, "
	Do,	1,215 0 0	1,440 0 0	4	5 January, "
	Charles Murray Alexander,	350 0 0	350 0 0	4	26 February, "
DOON.	Do,	150 0 0	150 0 0	5	6 March, "
	Sir W. S. M. S. S., Bart.,	1,200 0 0	700 0 0	3	2 " "
	Thomas R. M. S. S., Bart.,	1,280 0 0	450 0 0	1	19 February, "
	Do,	750 0 0	140 0 0	1	" "
	Thomas Greg,	1,000 0 0	500 0 0	2	16 January, 1877.
	Robert E. Wood,	400 0 0	240 0 0	2	6 " "
DOON.	Do,	550 0 0	550 0 0	2	10 February, "
	A. De V. B. S. S.,	930 0 0	180 0 0	1	25 " "

MIDLAND AND EASTERN DISTRICT.

CARLISLE.	The Right Hon. Dr. Condy & others,	275 0 0	440 0 0	4	12 December, 1874.
	Lord Lurgan,	400 0 0	160 0 0	3	18 May, 1875.
	Do,	500 0 0	130 0 0	2	3 November, 1875.
	St. George's Hospital,	1,970 0 0	1,970 0 0	2	4 October, 1876.
	Samuel Sanderson,	1,000 0 0	1,000 0 0	2	2 March, 1877.
MIDLAND.	Lady Martha Power,	1,800 0 0	1,800 0 0	5	12 March, 1877.

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—continued.

APPENDIX D.
LOANS
Landed
Property
Improvement
Loans.

MIDLAND AND EASTERN DISTRICT—continued.

County.	Applicant.	Amount sanctioned.	Amount raised.	No. of instalments raised.	Date of last Order to issue.
		£ s. d.	£ s. d.		
LEICESTERSHIRE.	The Earl of Longford,	1,100 0 0	600 0 0	3	28 June, 1874.
	W. Earl,	100 0 0	40 0 0	2	22 August, 1875.
	Rev. Francis T. Green,	400 0 0	200 0 0	4	20 February, 1877.
	Joseph Allen,	100 0 0	100 0 0	3	18 " " "
	William Bond,	500 0 0	200 0 0	2	20 October, " "
	Rev. J. E. H. Edgeworth,	200 0 0	100 0 0	2	8 April, " "
	John Cooke,	1,700 0 0	1,000 0 0	5	2 February, 1877.
	Lord Anson,	2,400 0 0	800 0 0	2	22 September, 1876.
	J. McDermott,	300 0 0	250 0 0	5	12 August, " "
	John R. Thompson,	220 0 0	40 0 0	1	15 May, " "
	Lord Anson,	1,000 0 0	700 0 0	2	22 February, 1877.
	John Bond,	0 0 0	400 0 0	4	22 September, 1876.
	The Earl of Grosvenor,	700 0 0	600 0 0	4	10 March, 1877.
	Henry Depping,	200 0 0	100 0 0	5	8 January, " "
MASSACHUSETTS.	The Marquis of Headfort,	500 0 0	400 0 0	4	18 December, 1874.
	Thomas Fitzmaurice,	1,000 0 0	1,200 0 0	4	20 July, 1875.
	John Maguire,	400 0 0	200 0 0	5	2 November, 1876.
	The Marquis of Headfort,	3,975 0 0	2,000 0 0	5	5 June, 1875.
	N. E. Preston,	200 0 0	200 0 0	2	20 March, 1875.
	James L. Saper,	2,040 0 0	1,700 0 0	4	4 February, 1877.
	Charles G. Henshaw,	1,000 0 0	1,045 0 0	5	17 December, 1876.
	James and John Traynor,	100 0 0	30 0 0	1	2 December, " "
	R. G. Kellert,	100 0 0	300 0 0	2	21 August, 1876.
	Marquis of Lansdowne,	700 0 0	600 0 0	4	6 September, " "
	Lord Langford,	200 0 0	200 0 0	2	1 February, 1877.
	Lord Langford,	600 0 0	500 0 0	5	10 January, " "
	Dozo,	415 0 0	415 0 0	6	17 October, 1876.
	Napier T. Edwards,	400 0 0	80 0 0	1	4 November, " "
	Dozo,	1,800 0 0	270 0 0	1	
	Brian Brady,	150 0 0	120 0 0	5	10 February, 1877.
	The Marquis of Headfort,	1,000 0 0	300 0 0	1	5 January, " "
	Stanley G. G. G. G.,	100 0 0	20 0 0	1	24 " " "
WILTSHIRE.	Thomas Murray,	700 0 0	420 0 0	5	4 February, 1874.
	Rev. T. E. Green,	600 0 0	500 0 0	4	5 May, " "
	Anna Lowry (Wp. of),	200 0 0	100 0 0	4	8 November, " "
	The Earl of Longford,	2,200 0 0	1,200 0 0	5	8 December, " "
	Marquis of Headfort and J. A. Conolly,	200 0 0	200 0 0	2	24 October, " "
	Rev. Thomas Aston Drought,	200 0 0	100 0 0	2	13 June, " "
	Catherine Edgerton,	600 0 0	450 0 0	4	17 February, 1877.
	E. Armstrong and others,	200 0 0	100 0 0	4	23 October, " "
	Sheriff A. Reynolds (Wp. of),	2,100 0 0	900 0 0	2	25 December, " "
	Dozo,	600 0 0	200 0 0	2	20 " " "
	Anthony Sutton,	100 0 0	50 0 0	4	11 January, 1877.
	G. A. Robinson & Sons,	600 0 0	120 0 0	1	27 " " "
	Dozo,	700 0 0	140 0 0	1	
	John Smith,	200 0 0	40 0 0	1	7 February, " "
SURREY.	Thomas Whitsett,	200 0 0	200 0 0	5	14 January, 1874.
	John Addy,	100 0 0	100 0 0	5	11 June, 1874.
	Michael Gaffney,	600 0 0	600 0 0	5	29 March, 1876.
	The Hon. Sophie Emily Fitzmaurice,	1,200 0 0	1,200 0 0	5	26 February, 1877.
	Edward Ellis Mayne,	300 0 0	200 0 0	5	10 December, 1875.
	Henry G. Lewis,	700 0 0	700 0 0	5	4 December, 1876.
	Malachi S. Henshaw,	300 0 0	200 0 0	2	20 January, 1877.
	Lord Anson,	600 0 0	150 0 0	1	14 August, 1876.
	Sir M. A. Stirling, Bart.,	700 0 0	140 0 0	1	20 March, 1877.
KENT.	B. Fitzpatrick,	200 0 0	200 0 0	5	2 September, 1876.
	John Kinn,	200 0 0	200 0 0	5	21 July, " "
	W. R. and M. J. Stansford,	500 0 0	500 0 0	5	29 March, " "
	F. Buchanan,	200 0 0	200 0 0	4	20 November, " "
	C. Reed,	800 0 0	100 0 0	5	22 September, 1876.
	George J. Brocks,	1,000 0 0	1,070 0 0	5	10 June, 1876.
	Thomas Anderson,	1,200 0 0	800 0 0	5	8 November, " "
	Rev. William Sturges,	200 0 0	50 0 0	1	18 December, " "
	The Duke of Lancaster,	5,000 0 0	1,000 0 0	2	8 March, 1877.
KENT.	James Swales,	270 0 0	200 0 0	5	10 June, 1875.
	The Earl of Essex,	800 0 0	800 0 0	5	4 December, 1876.
	W. M. Strong,	500 0 0	70 0 0	1	7 March, 1877.
	Dozo,	100 0 0	20 0 0	1	30 " " "
GLoucestershire.	Viccount Ashburnham,	2,100 0 0	2,100 0 0	5	10 September, 1876.
	The Marquis of Lansdowne,	1,275 0 0	1,000 0 0	4	24 March, 1875.
	Robert G. Gaffney,	4,900 0 0	2,000 0 0	4	11 May, 1877.
	Lord Castlemore,	400 0 0	400 0 0	2	21 March, 1874.
	Samuel Edge,	1,200 0 0	500 0 0	4	20 " " "
	Richard Depping,	1,000 0 0	500 0 0	4	7 June, " "
	Sir J. Allen J. Walsh, Bart.,	1,000 0 0	700 0 0	5	17 May, " "
	Dozo,	150 0 0	90 0 0	5	
	Earl of Portchester,	600 0 0	800 0 0	4	15 March, 1877.
	Sir J. Allen J. Walsh, Bart.,	450 0 0	90 0 0	1	20 August, 1876.
	Dozo,	100 0 0	30 0 0	1	14 October, " "
	Frederic P. Dumas,	1,200 0 0	400 0 0	1	6 December, " "
	Marquis of Lansdowne,	1,215 0 0	745 0 0	1	9 March, 1877.
	Dozo,	600 0 0	120 0 0	1	" " "

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—continued.

MIDLAND AND EASTERN DISTRICT—continued.

AMOUNT D.
Landed
Property
Improvement
Loans.

County.	Applicant.	Amount sanctioned.	Amount issued.	No. of instalments issued.	Date of last Order to issue.
		£ s. d.	£ s. d.		
Wicklow.	The Baron de Robeck, . . .	535 0 0	510 0 0	3	9 June, 1875.
	Charles W. Barton, . . .	450 0 0	550 0 0	6	4 January, 1876.
	Edward J. Kelly, . . .	150 0 0	90 0 0	5	4 March, 1875.
	The Earl of Carysfort, . . .	2,400 0 0	2,500 0 0	6	3 May, 1875.
	George T. Huske, . . .	100 0 0	50 0 0	4	15 July, 1875.
	Idem, . . .	695 0 0	600 0 0	5	6 September, ".
	H. B. Wengfield, . . .	100 0 0	80 0 0	4	11 April, ".
	John Freeman Kettle, . . .	150 0 0	150 0 0	4	3 February, 1877.
	Earl of Carysfort, . . .	450 0 0	480 0 0	5	10 " 1876.
	Idem, . . .	5,200 0 0	5,200 0 0	5	5 August, ".
	George T. Huske, . . .	300 0 0	40 0 0	3	22 March, ".
	The Earl of Meath, . . .	1,200 0 0	300 0 0	1	24 June, ".
	Idem, . . .	1,090 0 0	990 0 0	5	28 November, ".
	Rev. T. A. Dringht, . . .	560 0 0	210 0 0	5	2 December, ".
	Earl of Carysfort, . . .	1,250 0 0	1,300 0 0	4	18 March, 1877.
	John R. Oliver, . . .	100 0 0	50 0 0	1	25 November, 1876.
	The Earl of Meath, . . .	5,100 0 0	990 0 0	1	21 December, ".
Carlow.	The Earl of Wicklow, . . .	6,000 0 0	590 0 0	1	3 January, 1877.
	The Earl of Carysfort, . . .	5,000 0 0	400 0 0	1	6 February, ".
Kilkenny.	John Alexander, . . .	280 0 0	175 0 0	5	50 May, 1875.
	Idem, . . .	450 0 0	250 0 0	4	6 September, 1876.
	J. C. Brady, . . .	300 0 0	300 0 0	5	6 March, 1877.
	W. J. O'Driscoll, . . .	350 0 0	150 0 0	5	18 August, 1875.
	Robert L. Watson, . . .	300 0 0	150 0 0	5	30 November, ".
Kilkenny.	Andrew Kennedy, . . .	1,000 0 0	390 0 0	1	8 December, ".
	Thomas Boyd, . . .	275 0 0	70 0 0	1	6 August, 1876.
	Idem, . . .	550 0 0	100 0 0	1	24 " " 1876.
	Maurice Kelly, . . .	250 0 0	250 0 0	5	13 July, 1875.
Wexford.	Earl of Desart, . . .	485 0 0	405 0 0	8	13 July, 1875.
	George W. Mansell, . . .	500 0 0	500 0 0	5	6 August, 1875.
	J. K. D. Drake, . . .	510 0 0	280 0 0	1	11 June, 1876.
	David Beatty, . . .	480 0 0	270 0 0	3	5 August, 1876.
	Salomon Ruben, . . .	1,000 0 0	1,000 0 0	5	11 October, ".
	Andrew L. De Beary, . . .	500 0 0	300 0 0	5	30 " " 1876.
	Frederick John, . . .	500 0 0	400 0 0	4	4 February, 1877.
	William La Touche Stacey, . . .	200 0 0	40 0 0	1	1 August, 1876.
	Harry Alcock, . . .	200 0 0	50 0 0	1	11 October, ".
	Idem, . . .	240 0 0	500 0 0	5	18 March, 1877.
	Idem, . . .	150 0 0	25 0 0	1	6 November, 1876.
	Idem, . . .	450 0 0	340 0 0	2	19 March, 1877.
	Thomas H. Redington, . . .	1,000 0 0	700 0 0	2	20 " " "
	Annie Bolton and Eva Scott, . . .	610 0 0	490 0 0	4	15 " " "
	Thomas H. Redington, . . .	1,000 0 0	900 0 0	1	15 " " "

WESTERN DISTRICT.

Sligo.	E. H. Cooper, . . .	2,750 0 0	1,800 0 0	3	31 July, 1874.
	Idem, . . .	2,310 0 0	2,500 0 0	5	7 November, 1876.
	J. M. O'Flaherty, . . .	300 0 0	240 0 0	4	18 May, ".
	John Boyd, . . .	600 0 0	600 0 0	2	13 January, ".
	E. H. Cooper, . . .	5,750 0 0	5,000 0 0	5	5 December, ".
	W. G. W. Martin, . . .	600 0 0	540 0 0	4	2 September, ".
	Robert Cross, . . .	380 0 0	350 0 0	6	20 July, ".
	William George Wood Martin, . . .	1,000 0 0	600 0 0	3	6 September, ".
Mayo.	Lord O'Connell, . . .	5,000 0 0	5,000 0 0	10	6 March, 1874.
	A. C. Luchan, . . .	300 0 0	240 0 0	4	10 April, 1876.
	Idem, . . .	145 0 0	145 0 0	5	4 October, ".
	Harriet Gifford, . . .	400 0 0	340 0 0	3	15 July, 1875.
	Dominick A. Brown, . . .	670 0 0	300 0 0	5	3 November, 1874.
	Stanley W. F. Kenny, . . .	450 0 0	90 0 0	2	13 January, ".
	Peter D. Brown, . . .	250 0 0	250 0 0	5	10 June, 1875.
	Francis H. Armstrong, . . .	800 0 0	500 0 0	3	59 December, ".
	Rev. Dominick A. Brown, . . .	550 0 0	280 0 0	4	21 November, 1876.
	Thomas Fyke, . . .	700 0 0	420 0 0	2	15 June, ".
	Idem, . . .	550 0 0	200 0 0	5	5 " " "
	Frederick T. Lewis, . . .	300 0 0	240 0 0	4	6 April, 1876.
	Edward Bink, . . .	5,000 0 0	500 0 0	5	24 February, 1877.
	J. C. Walsh, . . .	120 0 0	60 0 0	5	16 December, 1876.
	Joseph Bourke, . . .	150 0 0	60 0 0	5	27 October, ".
	Anne Giblin, . . .	140 0 0	25 0 0	1	3 March, ".
	Idem, . . .	250 0 0	50 0 0	1	1 " " "
Larne.	Stanley W. F. Kenny, . . .	300 0 0	10 0 0	5	3 May, ".
	Charles H. Knox, . . .	2,700 0 0	1,600 0 0	4	12 January, 1877.
	The Earl of Erne, . . .	400 0 0	50 0 0	1	29 December, 1875.
	Rev. Walter Cunningham Peyton, . . .	300 0 0	40 0 0	5	20 September, 1876.

APPENDIX D.

Land
Property
Improvement
Loans.

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—continued.

WESTERN DISTRICT.						
County.	Applicant.	Amount sanctioned.	Amount issued.	No. of instalments repaid.	Date of last Order to issue.	
		£ s. d.	£ s. d.			
Buckingham.	Andrew S. Kirkwood.	710 0 0	438 0 0	0	7 January,	1874.
	Idem.	520 0 0	233 0 0	0	18 April,	"
	Henry S. P. Nelson.	535 0 0	450 0 0	4	20 May,	1875.
	Guardians of William J. Tollet.	1,043 0 0	600 0 0	2	3 November,	"
	John C. Murphy.	355 0 0	224 0 0	0	21 January,	1875.
	James Patrick Macgregor.	950 0 0	100 0 0	2	21 February,	1877.
	Hon. L. H. Macfarlane (Rep. of).	700 0 0	700 0 0	0	21 November,	1875.
	Perry Morgan.	100 0 0	100 0 0	0	23 July,	"
	Rev. John O'Hara.	300 0 0	300 0 0	0	23 July,	"
	Rev. Andrew Quinn.	350 0 0	55 0 0	1	24 January,	"
	Henry Sandford P. Nelson.	400 0 0	400 0 0	2	3 March,	1877.
	Thomas George Wills Sandford.	150 0 0	100 0 0	2	5 May,	1875.
	Edw. and Mary Rev. M. H. Brown.	520 0 0	40 0 0	1	10 April,	"
	Patrick Taddy.	500 0 0	100 0 0	4	10 "	"
	Thomas George Wills Sandford.	375 0 0	375 0 0	2	14 January,	1877.
	Patrick Taddy.	100 0 0	50 0 0	2	9 August,	1876.
	Lord Bacon Graham.	150 0 0	30 0 0	1	10 November,	"
Gloucester.	John H. Blake.	150 0 0	50 0 0	1	11 December,	1871.
	M. J. Blake.	900 0 0	840 0 0	0	17 January,	1876.
	John Blombery.	1,500 0 0	504 0 0	2	20 July,	1874.
	R. J. Martin.	1,500 0 0	500 0 0	4	27 September,	1875.
	Francis G. R. C. Brown.	2,240 0 0	1,610 0 0	3	10 July,	1875.
	John A. Dwyer.	1,000 0 0	2,500 0 0	5	6 September,	1871.
	Francis L. Conroy.	570 0 0	370 0 0	0	21 April,	1873.
	Henry R. Mahon.	1,215 0 0	1,300 0 0	1	5 October,	1875.
	John L. Bagot.	5,480 0 0	500 0 0	2	15 June,	1875.
	Idem.	250 0 0	250 0 0	2	20 October,	1875.
	Henry S. Farnes.	700 0 0	400 0 0	2	5 October,	"
	Thomas Seymour.	500 0 0	500 0 0	2	20 March,	1875.
	Oliver S. Lambert.	400 0 0	200 0 0	2	24 July,	1871.
	Marion Delahay.	150 0 0	150 0 0	4	2 March,	1877.
	A. C. and B. G. Richardson.	1,100 0 0	880 0 0	2	8 October,	1875.
	James Joyce.	500 0 0	500 0 0	0	8 August,	1875.
	Henry Kewen.	2,670 0 0	2,400 0 0	2	20 January,	"
	F. J. Graham.	1,500 0 0	640 0 0	2	3 March,	1877.
	Harriet Gahery.	100 0 0	100 0 0	2	10 July,	1875.
	Idem.	600 0 0	500 0 0	2	19 July,	1875.
	James Joyce.	200 0 0	200 0 0	4	9 September,	"
	Anthony J. Lynch.	800 0 0	530 0 0	2	13 February,	1877.
	F. E. Gahery.	500 0 0	480 0 0	4	20 September,	1876.
	L. B. Gordon.	625 0 0	625 0 0	0	22 "	"
	A. W. Dwyer.	600 0 0	480 0 0	4	30 December,	"
	Anthony J. Lynch.	700 0 0	425 0 0	3	30 August,	"
	Robert Perry Ebbrecht.	300 0 0	300 0 0	5	1 February,	1877.
	James O'Hara.	800 0 0	150 0 0	4	15 June,	1877.
	Charles B. O'Hara.	1,000 0 0	1,000 0 0	3	3 August,	1875.
	Oliver Delahay.	1,000 0 0	800 0 0	2	9 June,	1875.
	Idem.	250 0 0	210 0 0	3	17 January,	1877.
	James R. F. Farnes.	400 0 0	100 0 0	2	20 October,	1875.
	J. B. Nelson.	400 0 0	200 0 0	2	12 August,	"
	George Ellis.	200 0 0	100 0 0	1	23 "	"
	Robert Perry Ebbrecht.	1,250 0 0	500 0 0	1	9 October,	"
	John Fallon.	1,250 0 0	800 0 0	1	21 "	"
	Idem.	1,400 0 0	975 0 0	3	31 January,	1877.
	Marion Louise A. Blake (Rep. of).	1,400 0 0	900 0 0	1	25 "	"
	Christopher Tollet Basington.	1,200 0 0	200 0 0	3	22 February,	"
Gloucester.	John C. Delaney.	500 0 0	510 0 0	4	15 January,	1877.
	William Sheppard.	1,000 0 0	940 0 0	4	13 May,	1874.
	Nicholas S. O'Connor.	350 0 0	375 0 0	0	24 October,	1875.
	F. Harv.	150 0 0	80 0 0	1	28 August,	1875.
	Thomas Rice Harv.	1,000 0 0	520 0 0	1	24 January,	1876.
	James O'Brien.	200 0 0	245 0 0	0	8 November,	1877.
	Marion F. Walsh.	400 0 0	340 0 0	0	2 March,	1877.
	James Sheppard.	400 0 0	80 0 0	1	5 February,	"
SOUTHERN DISTRICT.	Rev. R. Fringford.	1,000 0 0	800 0 0	4	18 November,	1875.
	Idem.	1,200 0 0	1,200 0 0	3	10 February,	1876.
	Lord Montagu.	900 0 0	945 0 0	4	6 July,	1874.
	Lord Bury.	825 0 0	350 0 0	4	2 "	1875.
	Lord Grosvenor.	600 0 0	240 0 0	3	15 December,	1875.
	R. A. Pigott.	780 0 0	475 0 0	2	23 April,	"
	High Mount.	100 0 0	30 0 0	1	20 February,	1877.
	Francis Henry Dwyer.	200 0 0	200 0 0	2	37 "	"
	Idem.	500 0 0	380 0 0	2	15 December,	1876.
	Arthur E. Lloyd.	150 0 0	150 0 0	0	7 October,	1877.
SOUTHERN DISTRICT.	Lord Montagu.	900 0 0	295 0 0	0	24 January,	1877.
	Richard E. Lloyd.	1,800 0 0	594 0 0	1	16 August,	1876.
	Idem.	1,250 0 0	575 0 0	1	23 January,	1877.
	Francis Green.	450 0 0	450 0 0	1	24 November,	1875.
	Lady Louisa Fringford.	1,000 0 0	500 0 0	1	24 January,	1877.
	Robert W. O'Brien.	380 0 0	120 0 0	1	"	"

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—continued.

ARREAR D.
Landed
Property
Improvement
Loans.

SOUTHERN DISTRICT—continued.

County.	Applicant.	Amount sanctioned.	Amount raised.	No. of instalments raised.	Date of last Order in loan.
		£ s. d.	£ s. d.		
TYRONE.	Thomas Bennett,	400 0 0	340 0 0	3	4 October, 1873.
	F. H. May,	450 0 0	340 0 0	3	3 June, 1874.
	Arthur M. Webb,	500 0 0	500 0 0	3	15 May, 1875.
	Anthony Taylor,	1,854 0 0	1,300 0 0	3	3 January, 1876.
	George K. S. M. Dawson,	500 0 0	500 0 0	3	20 November, . . .
	M. Brady, Junr.,	375 0 0	375 0 0	3	30 February, 1877.
	J. H. Latham and wife,	1,500 0 0	980 0 0	3	11 October, 1873.
	Thomas Butler,	500 0 0	440 0 0	4	3 January, 1877.
	Robert Lloyd,	500 0 0	50 0 0	3	20 November, 1877.
	George E. B. Barry Dawson,	2,435 0 0	1,550 0 0	3	7 March, 1877.
	George Henry Finch,	325 0 0	45 0 0	1	31 September, 1876.
	Maxwell Arnold,	300 0 0	45 0 0	1	25 " "
	Doyle,	100 0 0	30 0 0	1	" " "
	Thomas Hawarden,	500 0 0	545 0 0	6	20 November, " "
	Samuel Henry Barrow,	500 0 0	525 0 0	3	24 February, 1877.
	Edward White,	500 0 0	180 0 0	3	18 " "
CO. D.	Sir G. C. Calverley, Bart.,	2,000 0 0	1,300 0 0	3	10 November, 1873.
	Doyle,	500 0 0	500 0 0	3	" " "
	Walter Adams,	400 0 0	100 0 0	2	14 May, 1874.
	Doyle,	550 0 0	310 0 0	3	23 December, 1873.
	Robert Keane,	350 0 0	180 0 0	2	20 October, 1874.
	R. T. W. French,	100 0 0	80 0 0	3	10 August, 1876.
	Frederic Daly,	200 0 0	200 0 0	3	17 October, " "
	John M. Ryan,	200 0 0	100 0 0	3	11 March, " "
	Rev. J. B. Howard,	200 0 0	200 0 0	3	5 January, 1875.
	Doyle,	100 0 0	100 0 0	3	30 " 1877.
	George Belcher,	180 0 0	105 0 0	3	3 June, 1876.
	Constance D. Collins,	200 0 0	150 0 0	3	" " "
	Thomas Curran,	375 0 0	305 0 0	3	4 December, 1876.
	G. F. O'Connell,	2,000 0 0	1,400 0 0	4	2 November, " "
	Lord Milnes,	300 0 0	180 0 0	3	28 September, " "
	W. Smith,	1,000 0 0	400 0 0	2	21 July, " "
	F. H. Roberts,	475 0 0	320 0 0	4	3 March, 1877.
	Nicholas Pomeroy,	300 0 0	300 0 0	6	30 " "
	R. W. P. Fitzgerald,	400 0 0	340 0 0	2	23 October, 1876.
	Ernest Ryan Evans,	100 0 0	80 0 0	2	20 December, " "
	Nathaniel C. C. Longford,	200 0 0	40 0 0	1	2 October, " "
	Nicholas and Margaret Conell,	100 0 0	30 0 0	1	" " "
	Rowland Robinson,	180 0 0	90 0 0	2	14 March, 1877.
WATERFORD.	F. G. Blomfield and wife,	125 0 0	125 0 0	5	4 April, 1875.
	John Quinlan,	500 0 0	40 0 0	1	4 October, 1876.
KERRY.	The Knight of Kerry,	1,000 0 0	1,000 0 0	5	15 December, 1873.
	Doyle,	2,000 0 0	400 0 0	1	3 July, 1875.
	Rowland Robinson,	1,500 0 0	1,100 0 0	3	22 August, 1876.
	The Marquis of Lansdowne,	5,000 0 0	5,500 0 0	11	22 April, " "
	Rev. Richard Fitzgerald,	1,370 0 0	500 0 0	2	20 " 1874.
	The Earl of Kinnaird,	8,000 0 0	2,500 0 0	6	22 November, 1868.
	Henry A. Herbert,	2,680 0 0	220 0 0	3	5 January, 1876.
	Doyle,	11,200 0 0	2,600 0 0	4	11 February, " "
	William C. Hicks,	800 0 0	800 0 0	5	5 April, 1875.
	James Croft,	540 0 0	490 0 0	3	5 October, " "
	Arthur Edward Herbert,	500 0 0	240 0 0	2	20 June, " "
	Langford Bay,	2,025 0 0	520 0 0	2	21 December, 1874.
	Stephen E. Collins,	1,200 0 0	820 0 0	2	3 May, 1876.
	R. and L. Roe,	2,000 0 0	2,800 0 0	3	" " "
	R. M. Bennett,	700 0 0	750 0 0	3	28 September, " "
	James Butler,	300 0 0	300 0 0	2	4 July, " "
	The Earl of Kinnaird,	7,810 0 0	2,500 0 0	3	15 January, 1877.
	Richard Mahony,	270 0 0	250 0 0	3	2 January, " "
	Charles Benden,	900 0 0	900 0 0	3	2 December, 1873.
	Thomas Blomfield,	940 0 0	824 0 0	3	7 June, " "
	John Hooley,	170 0 0	32 0 0	1	19 April, " "
	Doyle,	550 0 0	70 0 0	1	21 " "
	The Knight of Kerry,	2,500 0 0	500 0 0	1	5 August, " "
	Richard Mahony,	475 0 0	190 0 0	2	24 January, 1877.
	The Marquis of Lansdowne,	450 0 0	90 0 0	1	11 September, 1874.
	Thomas W. Jordan,	400 0 0	130 0 0	1	19 " "
	James Croft,	480 0 0	340 0 0	3	4 December, " "
	Peter Edward Taylor,	390 0 0	20 0 0	1	20 November, " "
	Sir R. Dwyer, Bart.,	5,000 0 0	1,800 0 0	3	17 February, 1877.
	The Earl of Kinnaird,	500 0 0	200 0 0	1	27 November, 1876.
	George Harrison,	500 0 0	480 0 0	4	2 February, 1877.
	The Earl of Kinnaird,	2,400 0 0	480 0 0	1	20 January, " "

By order,

E. HORNSBY, Secretary.

APPENDIX E.

Report of
Mr. T. N.
Deane, on
National
Monuments
and Ecclesiastical
Ruins.

APPENDIX E.

NATIONAL MONUMENTS AND ECCLESIASTICAL RUINS.

REPORT OF MR. T. N. DEANE UPON THE WORKS EXECUTED AND THEIR RESULTS, WITH EXPLANATORY DRAWINGS.

ANDREW, NEAR TRILER, COUNTY KERRY.

The ruins here consist of the cathedral and two churches, the former dedicated to St. Brendan, the latter called respectively Tumpal-na-Hoe and Tumpal-na-Griffon.

Andert was originally the site of a monastery founded by St. Brendan in the 6th century. He was born in the year 484, and died in the year 577.

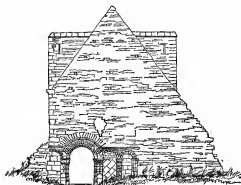
The cathedral is 157 feet long by 25 feet wide, and was erected about the year 1250 on the site of a more ancient church. An aisle has been added on the southern side, with arches opening into the nave. In later times a transept was built on the south, and a mortuary chapel of chantry on the north.

At the western end the entrance and screened wall of the more ancient church exists, probably of the

apparently corresponding in date with the western entrance. The arches dividing the nave from the aisle are plain and simple in character. The only feature in them worthy of remark is the very peculiar capital of the pier. The mode of corbelling for the arches which spring from it is particularly ingenious. (See illustration No. 2.)

The choir is lighted by a grand arcade of nine arches on the northern side, and three at the eastern end, the highest being 30 feet. The detail of these windows is excellent and shows that the designer had a thorough knowledge of early English work. I have frequently remarked in Ireland that although the main features of a style were followed with a certain accuracy, the mouldings exhibit what, if not due to difference of material, shows either a want of knowledge of the more delicate detail or a carelessness in execution not usually

(No. 1. West End.)

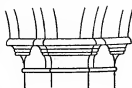
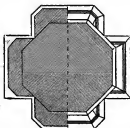


11th century. The mouldings exhibit the characteristics of early Norman detail (see illustration No. 1. I am indebted to Mr. Hill's work for this illustration).

On the northern side is a portion of monastery

not with in England. As usual, the stepped battlements have replaced the original crenel. The chantry and transept are late 15th century work, with good detail, but of little interest.

(No. 2.)



Temple-na-Hoe.

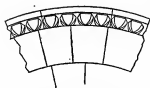
This church, of same date as the western doorway of the cathedral, is remarkable for its beautiful and delicate detail and the markedly classical character of some of its mouldings.

(No. 3 Plan.)



On the western doorway the moulding is suggestive of the Greek echinus. (See illustration No. 4.)

(No. 4)



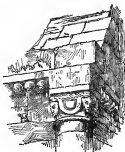
The angle capitals and large angle shafts, with moulded and corbelled curve course are worthy of study (see illustration No. 5), and recall the church of Kilmaledar, near Dingle.

Temple-na-Griffon, or Church of the Griffin.

Has but little interesting detail, and is of much later date than either the more ancient part of the cathedral or Temple-na-Hoe.

The repairs to these several churches mainly consisted in pointing the walls with cement, where necessary, the removal of dangerous roots of trees, and grouting with concrete the upper portions of the walls.

(No. 5.)



The arcade of nine windows in the cathedral, as well as the eastern end, required the greatest care; the former was in a ruinous condition, and it was found necessary to build a flying buttress against it to prevent its falling outwards.

The arches into the transept have been re-opened, the walls have been pointed with stone, and the ground of the interior of the buildings levelled as far as possible.

MONASTERBOYCE, COUNTY LOUTH.

The ruins here consist of a round tower, three stone crosses, and the remains of three churches.

The top of the tower had fallen, and none of the original stones were found. The walls were in a ruinous condition, but are now safe, having been pointed with cement and the larger interstices filled with small stones.

One cross was broken into three pieces, which have been carefully put together and re-erected; the others were standing and in good condition and required no repair.

The remains of the churches exhibit but little detail worthy of note, and are in so ruinous a condition that nothing further could be done than pointing and grouting the walls.

The graveyard has been partially levelled, especially the spaces within the churches.

DEVONISH ISLAND, LOUGH REE.

The buildings here consist of—

1st. The remains of the ancient church with consecrated buildings attached, erected in the year 1439, according to the inscription thereon.

2nd. The stakery of St. Molaise.

3rd. The ruins of a more ancient church and buildings surrounding.

4th. The round tower.

5th. Several sculptured stones, including the remains of stone crosses.

The repairs done to these buildings are as follows:—

1. *The Ancient Church.*

Several stones have been reset, and some replaced in the piers of the tower; the base of the tower has been made good where defective; the top of the tower wall has been pointed and the level of the staircase

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repaired; the rent in the side wall of the choir has been made good; the rubbish has been cleared away from the interior of the church; the north wall of the choir has been levelled, and some of the loose stones and sods lying put thereon; the crosses and sculptured stones have been collected and placed in a convenient position; sods are being laid down in the church at the original floor level, some general pointing with cement to joints of loose stones has been done, and sods being put to protect the walls.

2. Oratory of St. Molaise.

The rubbish within this building has been cleared, and the loose stones collected and stacked in a convenient position.

3. The Round Tower.

With the exception of pointing with cement a few loose joints of masonry in the lower part, which has been done, no repairs were necessary.

4. Ancient Church, do.

With the exception of clearing away the rubbish and collecting and stacking the loose stones, which has been done, no repairs were necessary.

GLINDALOUGH.

In my report for the year 1876, I referred briefly to the works undertaken at Glindalough, which at that time had been commenced.

Trinity Church

was then finished, and some progress had been made towards clearing the site of

St. Saviour's.

As anticipated, the accumulated rubbish concealed much architectural detail, and the excavations on the site of the priory exposed the complete outline of the building. On the southern side were found the arch and jamb stones of three windows, as well as those of the two entrances; and on the eastern side the complete details of a beautiful and curious window.

This most interesting example of Romanesque work I look upon as unique in detail. The apse is divided on the inside into two sub-arches separated by a mullion, the tympanum and two arched heads being in one stone. There is no abacus or capital, and the

Details, *Architectural, Irish.*

(No. 6.)



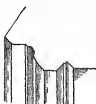
(No. 7.)



replay of the lights following that of the inner spire is a peculiarity which I have not observed elsewhere. I have had it replaced in its original position, as to which there could be neither speculation nor doubt.

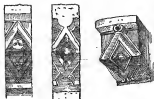
At the northern side the church expanded into what appears to have been the domestic portion of the building, apparently of the same date as the rest of the priory. In the eastern wall was found a flight of steps which evidently led to the roof over the church. On the northern side were discovered the stonework of two other windows.

(No. 8. Jamb of North Window.)



The chancel arch has been re-erected, nearly all the stones having been found amongst the rubbish; any which were missing, have been replaced by uncured mosses. This arch presents perhaps the most beautiful and elaborately carved example of its kind in Ireland.

(No. 9. Carved Tympanum, Chancel Arch.)



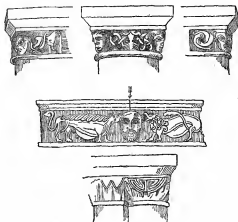
Some of the detail of the moldings is peculiar, and would almost lead one to place the date of the work later than the 12th century, whereas other detail is decidedly very early.

The walls have been pointed with concrete, the floors made good, and the interior laid in green.

The Cathedral.

The condition of this building was much the same as that of the others. Piles of ruined masonry and gravestones, ancient and modern, lay about on all sides; tangled weeds and brushwood overgrew the walls. The masonry exhibits work of three distinct periods: the lower portion of the walls is of a very early date; the upper being rebuilt from the debris of more ancient work, the fruster of shafts being used in places; the latest portion being 12th and 13th century work, the moldings Romanesque and early English, and all of Chen stone. On the north the jambs and bases of a fine doorway were found, and, beneath where the chancel arch stood, most of the work stones. As many of these as would indicate the form of the arch have been reset upon the impost caps. The eastern

(No. 10. Details of Capital, Chancel Arch, St. Saviour's.)



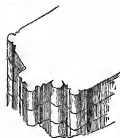
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(No. 11. Arch of North Doorway, Cathedral.)

window has been partially restored; those on the north side have been opened. The walls have been grouted with concrete, and the interior levelled as far as was consistent with respect to graves.

The Priest's House.

This curious little oratory, which excited the interest of the antiquarian Berenger and others in 1779, and by whom its details were carefully drawn, had fallen into a sad state of dilapidation. On excavating the surrounding ground, sufficient stones of the eastern end and southern entrance were found to enable the structure to be put in the same condition as it was in 1779. The carved tympanum (see No. 13), which had been removed, was given back and replaced in its original position, and the stonework generally has been secured with concrete.



(No. 12.)



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(No. 12.)

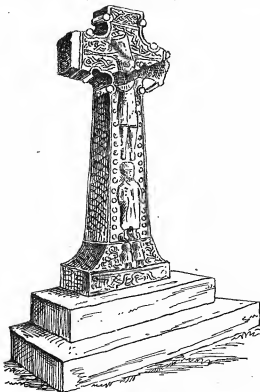


The Round Tower.

This building was on the verge of ruin, the mortar quite washed out of the walls; the conical top had long since fallen amongst the debris round the base

and inside the tower; all the sloped stones of the cone were discovered, and the spire in the cathedral. These have been replaced and the walls carefully pointed in cement.

(No. 14. Cross in St. Kevin's Church.)



Saint Kevin's House.

This building consists of a stone-roofed chamber, with an uppercroft and a sacristy on the north-east; the former is surmounted by a tower of small dimensions. The present entrance formed the channel arch when the eastern entrance was remodelled. The channel, which is now destroyed, was a subsequent addition. The head of the eastern window of the original church still exists over the more modern channel arch. Pointing with cement concrete and resetting loose stones in the roof and one of tower, embraces all the work which has been done.

An iron gate has been put to the eastern opening.

The outline of the walls, with the channel and altar, are perfect.
The surrounding ground has been levelled, and put in decent order.

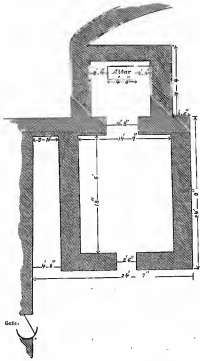
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Our Lady's Church,

probably the oldest structure in the valley, has little of interest beyond its doorway, which presents all the characteristic features of early work, being narrower at the head than at the base, and formed of massive stones.

The nave has been cleared out and the walls secured

(No. 15. Plan of St. Kevin's Church.)



and the interior forms the receptacle for various objects of interest which have been found amongst the ruins. Referring to these, I would call attention to the beautiful cross of which I annex an illustration; it was found in fragments in different places; these have now been put together and erected within the oratory.
To the south-east of St. Kevin's House has been discovered what I presume to be St. Kevin's church.

from further ruin; little or no architectural detail was found in the excavations.

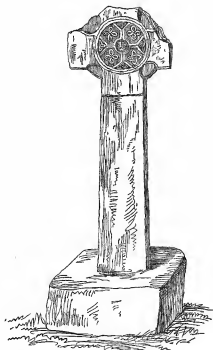
Refect Church, or Burial-place of the Kings.

Here many sculptured stones and crosses were discovered; amongst others, one flat stone, with an inscribed cross and inscription. The shaft and base of this cross (illustrated in Pettis, page 266), have been

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(Pl. 16)



discovered. The cross has been re-erected, and the chancel arch and east window have been restored, all the stones having been found amongst the débris. The interior has been cleared of rubbish and laid in grass; the surrounding fence repaired and the approaches gravelled.

Tempulla-na-Skilly.

This church, placed on a cliff over the lake, and

generally approached by a boat, is the remains of a small oratory. The débris which have fallen from the southeast side have been removed, and a window, similar in design to the east window in St. Serios's, has been discovered.

The ancient steps or causeway leading from the lake to the church have also been laid bare.

The foregoing notes describe generally the works which have been done.

THOS. N. DRAKE, Architect.

8, Upper Merrion-street, Dublin,
10th May 1877.